THE BEST CONNECTION.

Thanks to the Klauke system, you can be sure that your connection will withstand any load. We find the right connector for every conductor.

Electrical connection systems

THE CLASSIC - COPPER TUBULAR CABLE LUGS

Not every product becomes a classic at Klauke. Only the best ones. Tubular cable lugs made from high-quality electrolytic copper have been part of the Klauke standard range since 1960. The hallmarks: We handle all phases, from development to production. We monitor each and every step. The result: The certified classic remains - in every version.

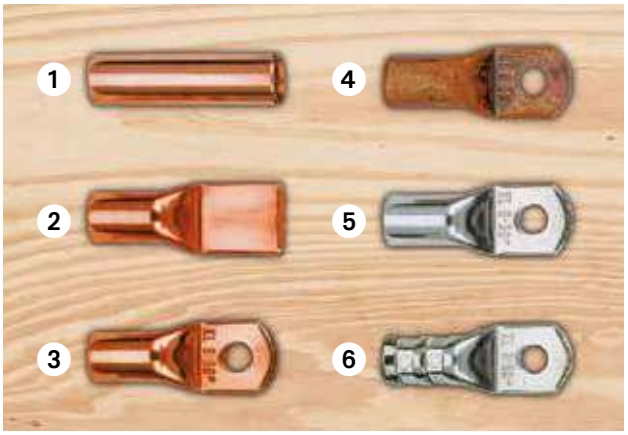
In brief

- Everything from a single source, from development to production
- Best electrical conductivity thanks to electrolytic copper
- Available for all cross sections and in many special versions
- Tested to international standards

The system - Klauke connectors

At Klauke all products are matched to one another and we manufacture in our own factories. We think in your work steps – and produce everything systematically. Every cable lug, every tool for the perfect connection.

- Full flexibility through solutions for all conductor classes to DIN EN 60228
- For cables with compacted round conductors, cables with sector-shaped conductors and to suit individual requirements
- A single source - for everything from the cable lug to the tool for professional electrical installations



1 Source material
2 Folding and crimping
3 Punching
4 Annealing
5 Tinned end product
6 After crimping

The preparation - Traditional quality

The best material is the basis for quality products.
For our classics we use - as for all Klauke products - exclusively high-quality material from certified suppliers. You get all our cable lugs with the optimum features. To achieve this, we manufacture using a special annealing process.

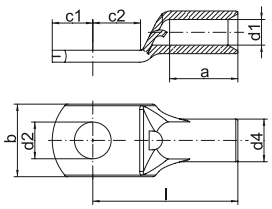
- Optimum conductivity, high loading capacity and increased safety thanks to high-quality materials
- Outstanding processing properties

The proof - independent quality tests

Klauke aspires to its own high standard. We have this verified by several independent inspection authorities and have put ourselves through the tough IEC tests - with success.

- IEC (International Electric Commission): The IEC is an advisory board for standards in the electrical engineering and electronics sector. The certifications encompass all areas of electrical engineering that have to meet especially high demands.
- UL (Underwriters Laboratories): UL is an independent organisation that examines and certifies products for safety. The certification is particularly important on the American market.
- DNV (Det Norske Veritas) and GL (Germanischer Lloyd): DNV and GL have now merged to form the world's largest consulting company for onshore and offshore systems.

Tubular cable lugs, Cu, standard type



- Cable lug for fine-stranded round conductors, e.g. to DIN EN 60228 Cl. 5
- Simple processing thanks to inspection hole for monitoring full conductor insertion

Characteristics

- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer
- Item identification on cable lug

Material

- Copper (EN13600)

Surface

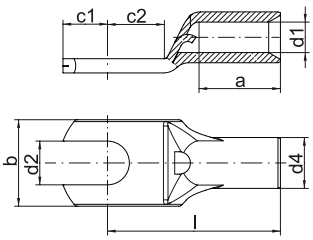
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 38

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
0.75	M3	**91R3**	1.3	6	6.0	3,2	2.8	3.25	4.0	12	0.060	100
	M4	**91R4**	1.3	6	6.5	4,3	2.8	4.00	5.0	13	0.060	100
	M5	**91R5**	1.3	6	7.5	5,3	2.8	4.75	5.5	14	0.060	100
1.5	M3	**92R3**	1.8	6	6.5	3,2	3.3	3.25	4.0	12	0.080	100
	M4	**92R4**	1.8	6	6.5	4,3	3.3	4.00	5.0	13	0.080	100
	M5	**92R5**	1.8	6	7.5	5,3	3.3	4.75	5.5	14	0.080	100
	M6	**92R6**	1.8	6	9.0	6,4	3.3	6.50	6.5	16	0.090	100
2.5	M3	**93R3**	2.3	6	7.5	3,2	4.2	3.25	4.0	12	0.120	100
	M4	**93R4**	2.3	6	7.5	4,3	4.2	4.00	5.0	13	0.120	100
	M5	**93R5**	2.3	6	8.5	5,3	4.2	4.75	5.5	14	0.130	100
	M6	**93R6**	2.3	6	9.5	6,5	4.2	6.50	6.5	16	0.150	100
	M8	**93R8**	2.3	6	13.0	8,4	4.2	7.75	9.5	20	0.180	100
4	M4	**94R4**	3.0	8	8.5	4,3	5.0	4.75	5.5	17	0.210	100
	M5	**94R5**	3.0	8	9.0	5,3	5.0	4.75	6.0	17	0.213	100
	M6	**94R6**	3.0	8	10.0	6,4	5.0	6.50	6.5	19	0.220	100
	M8	**94R8**	3.0	8	13.0	8,4	5.0	8.50	9.5	22	0.280	100
6	M4	**95R4**	4.0	9	9.5	4,3	6.0	5.00	5.5	18	0.290	100
	M5	**95R5**	4.0	9	9.5	5,3	6.0	6.00	6.0	19	0.300	100
	M6	**95R6**	4.0	9	10.0	6,4	6.0	7.00	6.5	19	0.300	100
	M8	**95R8**	4.0	9	14.0	8,5	6.0	8.50	9.5	22	0.320	100

Tubular cable lugs, Cu, fork type



- Cable lug to 6 mm² for fine-stranded round conductors Cl. 5, 10 mm² and 16 mm² for multi-stranded round conductors Cl. 2, e.g. to DIN EN 60228
- Simple fork-type mounting
- Simple processing thanks to inspection hole to check the inserted conductor

Characteristics

- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer
- Item identification on cable lug

Material

- Copper (EN13600)

Surface

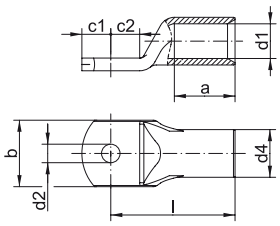
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 38

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
0.75	M3	**91C3**	1.3	6	6.0	3,2	2.8	3.25	4.0	12	0.06	100
	M4	**91C4**	1.3	6	6.5	4,3	2.8	4.00	5.0	13	0.05	100
	M5	**91C5**	1.3	6	7.5	5,3	2.8	4.75	5.5	14	0.06	100
1.5	M3	**92C3**	1.8	6	6.5	3,2	3.3	3.25	4.0	12	0.07	100
	M4	**92C4**	1.8	6	6.5	4,3	3.3	4.00	5.0	13,5	0.07	100
	M5	**92C5**	1.8	6	7.5	5,3	3.3	4.75	5.5	14	0.07	100
	M6	**92C6**	1.8	6	9.0	6,4	3.3	6.50	6.5	16	0.08	100
2.5	M4	**93C4**	2.3	6	7.5	4,3	4.2	4.00	5.0	13	0.11	100
	M5	**93C5**	2.3	6	8.5	5,3	4.2	4.75	5.5	14	0.12	100
	M6	**93C6**	2.3	6	9.5	6,4	4.2	6.50	6.5	16	0.10	100
4	M4	**94C4**	3.0	8	8.5	4,3	5.0	4.75	5.5	17	0.19	100
	M5	**94C5**	3.0	8	9.0	5,3	5.0	4.75	6.0	17	0.19	100
	M6	**94C6**	3.0	8	10.0	6,4	5.0	6.50	6.5	19	0.21	100
	M8	**94C8**	3.0	8	13.0	8,5	5.0	8.50	9.5	22	0.24	100
6	M4	**95C4**	4.0	9	9.5	4,3	6.0	5.00	5.5	18	0.27	100
	M5	**95C5**	4.0	9	9.5	5,3	6.0	6.00	6.0	19	0.32	100
	M6	**95C6**	4.0	9	10.0	6,4	6.0	7.00	6.5	19	0.27	100
	M8	**95C8**	4.0	9	14.0	8,5	6.0	8.50	9.0	22	0.31	100
10	M5	**96C5**	4.5	10	12.0	5,3	7.0	6.50	7.5	22	0.45	100
	M6	**96C6**	4.5	10	12.0	6,4	7.0	6.50	7.5	22	0.41	100
	M8	**96C8**	4.5	10	15.0	8,4	7.0	10.00	10.0	25	0.52	100
16	M5	**97C5**	5.5	13	12.0	5,3	8.5	5.50	6.5	26	0.81	100
	M6	**97C6**	5.5	13	12.0	6,4	8.5	6.25	7.5	27	0.81	100
	M8	**97C8**	5.5	13	15.0	8,4	8.5	8.50	9.5	29	0.90	100

Tubular cable lugs, Cu, standard type



- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded multi-stranded sector shaped conductors
- Ideal cable lug for control cabinet construction
- In combination with EKM 60 ID suitable for fine-stranded conductors

Characteristics

- Annealed material optimises material and crimping properties
- To DIN EN 61373 class 1B vibration-tested
- Simple and safe connection due to flat contact surfaces and internal chamfer
- Item identification on cable lug

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 38
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“

Additional information

- Also available as featured article with inspection hole, part number appendix „MS“

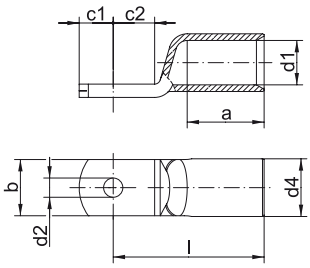
Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
6	M5	**1R5**	3.5	9	10	5.3	6.5	6.50	7.5	21	0.50	100
	M6	**1R6**	3.5	9	12	6.4	6.5	6.50	7.5	21	0.47	100
	M8	**1R8**	3.5	9	15	8.4	6.5	10.00	10.0	23	0.54	100
	M10	**1R10**	3.5	9	17	10.5	6.5	12.00	12.0	25	0.59	100
	M12	**1R12**	3.5	9	19	13.0	6.5	13.00	13.0	28	0.63	100
10	M5	**2R5**	4.5	10	12	5.3	7.0	6.50	7.5	22	0.50	100
	M6	**2R6**	4.5	10	12	6.4	7.0	6.50	7.5	22	0.49	100
	M8	**2R8**	4.5	10	15	8.4	7.0	10.00	10.0	25	0.58	100
	M10	**2R10**	4.5	10	17	10.5	7.0	12.00	12.0	27	0.62	100
	M12	**2R12**	4.5	10	19	13.0	7.0	13.00	13.0	29	0.64	100
16	M5	**3R5**	5.5	13	12	5.5	8.5	5.50	6.5	26	0.84	100
	M6	**3R6**	5.5	13	12	6.4	8.5	6.25	7.5	27	0.86	100
	M8	**3R8**	5.5	13	15	8.3	8.5	8.50	9.5	29	0.93	100
	M10	**3R10**	5.5	13	17	10.5	8.5	10.50	11.5	31	0.99	100
	M12	**3R12**	5.5	13	19	13.0	8.5	12.00	13.0	33	1.02	100
25	M5	**4R5**	7.0	15	14	5.3	10.0	7.50	7.5	30	1.22	25
	M6	**4R6**	7.0	15	14	5.3	10.0	7.50	7.5	30	1.20	100
	M8	**4R8**	7.0	15	16	8.4	10.0	10.00	10.0	32	1.31	100
	M10	**4R10**	7.0	15	18	10.5	10.0	12.00	12.0	34	1.57	100
	M12	**4R12**	7.0	15	19	13.0	10.0	13.00	13.0	35	1.39	25
	M14	**4R14**	7.0	15	21	15.0	10.0	14.50	14.5	38	1.49	25
35	M6	**5R6**	8.5	17	17	6.4	12.0	7.50	7.5	32	1.85	100
	M8	**5R8**	8.5	17	17	8.4	12.0	10.00	10.0	34	2.00	100
	M10	**5R10**	8.5	17	19	10.5	12.0	12.00	12.0	37	2.13	100
	M12	**5R12**	8.5	17	21	13.0	12.0	13.00	13.0	38	2.12	100
	M14	**5R14**	8.5	17	21	15.0	12.0	14.50	14.5	40	2.18	25
	M16	**5R16**	8.5	17	26	17.0	12.0	16.00	16.0	42	2.24	25

See next page

Tubular cable lugs, Cu, standard type

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
50	M6	**6R6**	10.0	19	20	6.4	14.0	10.00	10.0	37	3.00	25
	M8	**6R8**	10.0	19	20	8.4	14.0	10.00	10.0	37	2.93	50
	M10	**6R10**	10.0	19	20	10.5	14.0	12.00	12.0	39	3.08	50
	M12	**6R12**	10.0	19	23	13.0	14.0	13.00	13.0	43	3.23	50
	M14	**6R14**	10.0	19	23	15.0	14.0	14.50	14.5	45	3.32	25
	M16	**6R16**	10.0	19	28	17.0	14.0	16.00	16.0	46	3.38	25
	M20	**6R20**	10.0	19	30	21.0	14.0	19.00	19.0	48	3.46	25
70	M6	**7R6**	12.0	21	23	6.4	16.5	10.00	10.0	43	4.49	25
	M8	**7R8**	12.0	21	23	8.5	16.5	10.00	10.0	43	4.38	50
	M10	**7R10**	12.0	21	23	10.5	16.5	12.00	12.0	44	4.54	50
	M12	**7R12**	12.0	21	23	13.0	16.5	13.00	13.0	46	4.63	50
	M14	**7R14**	12.0	21	23	15.0	16.5	14.50	14.5	48	4.76	25
	M16	**7R16**	12.0	21	28	17.0	16.5	16.00	16.0	50	4.24	25
	M20	**7R20**	12.0	21	30	21.0	16.5	19.00	19.0	53	5.09	25
95	M8	**8R8**	13.5	25	26	8.4	18.0	12.00	12.0	48	5.44	25
	M10	**8R10**	13.5	25	26	10.5	18.0	12.00	12.0	48	5.40	50
	M12	**8R12**	13.5	25	26	13.0	18.0	13.00	13.0	49	5.56	50
	M14	**8R14**	13.5	25	26	15.0	18.0	14.50	14.5	51	5.62	25
	M16	**8R16**	13.5	25	28	17.0	18.0	16.00	16.0	54	5.82	50
	M20	**8R20**	13.5	25	36	21.0	18.0	22.00	22.0	60	6.71	25
120	M8	**9R8**	15.0	26	28	8.4	19.5	14.00	14.0	51	6.72	25
	M10	**9R10**	15.0	26	28	10.5	19.5	14.00	14.0	51	6.57	50
	M12	**9R12**	15.0	26	28	13.0	19.5	14.00	14.0	51	6.38	50
	M14	**9R14**	15.0	26	28	15.0	19.5	15.00	15.0	52	6.45	25
	M16	**9R16**	15.0	26	30	17.0	19.5	16.00	16.0	54	6.51	50
	M20	**9R20**	15.0	26	36	21.0	19.5	22.00	22.0	63	7.74	25
150	M8	**10R8**	16.5	30	31	8.5	21.0	14.00	14.0	56	7.78	10
	M10	**10R10**	16.5	30	31	10.5	21.0	14.00	14.0	56	7.62	10
	M12	**10R12**	16.5	30	31	13.0	21.0	15.00	15.0	57	7.73	25
	M14	**10R14**	16.5	30	31	15.0	21.0	15.00	15.0	57	7.64	10
	M16	**10R16**	16.5	30	31	17.0	21.0	16.00	16.0	58	7.53	10
	M20	**10R20**	16.5	30	36	21.0	21.0	22.00	22.0	66	8.80	10
185	M10	**11R10**	19.0	30	35	10.5	24.0	18.00	18.0	65	11.75	10
	M12	**11R12**	19.0	30	35	13.0	24.0	18.00	18.0	65	11.82	10
	M14	**11R14**	19.0	30	35	15.0	24.0	18.00	18.0	65	11.39	10
	M16	**11R16**	19.0	30	35	17.0	24.0	18.00	18.0	65	11.24	25
	M20	**11R20**	19.0	30	39	21.0	24.0	22.00	22.0	69	12.00	10
240	M10	**12R10**	21.0	35	39	10.5	26.0	21.50	19.0	72	14.72	10
	M12	**12R12**	21.0	35	39	13.0	26.0	21.50	19.0	72	14.55	10
	M14	**12R14**	21.0	35	39	15.0	26.0	21.50	19.0	72	14.24	10
	M16	**12R16**	21.0	35	39	17.0	26.0	21.50	19.0	72	14.09	25
	M20	**12R20**	21.0	35	39	21.0	26.0	21.50	19.0	72	13.60	10
300	M12	**13R12**	23.5	44	43	13.0	29.5	24.00	24.0	87	23.33	5
	M14	**13R14**	23.5	44	43	15.0	29.5	24.00	24.0	87	23.14	5
	M16	**13R16**	23.5	44	43	17.0	29.5	24.00	24.0	87	22.74	5
	M20	**13R20**	23.5	44	43	21.0	29.5	24.00	24.0	87	22.19	5
400	M12	**14R12**	27.0	44	49	13.0	34.0	24.00	24.0	90	32.41	5
	M14	**14R14**	27.0	44	49	15.0	34.0	24.00	24.0	90	32.24	5
	M16	**14R16**	27.0	44	49	17.0	34.0	24.00	24.0	90	31.98	5
	M20	**14R20**	27.0	44	49	21.0	34.0	24.00	24.0	90	31.41	5

Tubular cable lugs for switchgear connections, standard type



- For multi-stranded, round conductors e.g. to DIN EN 60228 Cl. 2
- For pre-rounded multi-stranded sector shaped conductors
- For connecting in switch cabinets with reduced connecting space
- Narrow palm version manufactured without material loss
- In combination with EKM 60 ID suitable for fine-stranded conductors

Characteristics

- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

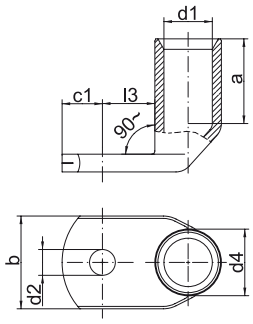
- Tool: see page 38
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“

Additional information

- Possible as a special version with inspection hole on request.
  Part Number appendix „MS“

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
35	M6	**5SG6**	8.5	17	15.0	6.4	12.0	7.5	7.5	32	1.78	25
50	M6	**6SG6**	10.0	19	15.0	6.5	14.0	10.0	10.0	37	2.95	25
	M8	**6SG8**	10.0	19	17.0	8.5	14.0	10.0	10.0	37	2.82	25
	M10	**6SG10**	10.0	19	19.0	10.5	14.0	11.5	12.0	39	3.08	25
70	M6	**7SG6**	12.0	21	17.0	6.5	16.5	10.0	10.0	43	4.22	25
	M8	**7SG8**	12.0	21	17.0	8.5	16.5	10.0	10.0	43	4.10	25
	M10	**7SG10**	12.0	21	19.0	10.5	16.5	11.5	12.0	44	4.45	25
	M12	**7SG12**	12.0	21	19.0	13.0	16.5	13.0	13.0	46	4.22	25
95	M6	**8SG6**	13.5	25	19.0	6.5	18.0	11.5	12.0	48	5.49	25
	M8	**8SG8**	13.5	25	19.0	8.5	18.0	11.5	12.0	48	5.46	25
	M10	**8SG10**	13.5	25	19.0	10.5	18.0	11.5	12.0	48	5.13	25
	M12	**8SG12**	13.5	25	19.0	13.0	18.0	13.0	13.0	49	5.15	25
120	M6	**9SG6**	15.0	26	19.0	6.5	19.5	11.5	14.0	51	6.16	10
	M8	**9SG8**	15.0	26	19.0	8.4	19.5	11.5	14.0	51	5.94	10
	M10	**9SG10**	15.0	26	19.0	10.5	19.5	11.5	14.0	51	5.81	10
	M12	**9SG12**	15.0	26	19.0	13.0	19.5	14.0	14.0	51	5.92	10
150	M6	**10SG6**	16.5	30	19.0	6.5	21.0	11.5	14.0	56	6.85	10
	M8	**10SG8**	16.5	30	19.0	8.5	21.0	11.5	14.0	56	6.80	10
	M10	**10SG10**	16.5	30	19.0	10.5	21.0	11.5	14.0	56	6.75	10
	M12	**10SG12**	16.5	30	19.0	13.0	21.0	15.0	15.0	57	7.15	10
185	M10	**11SG10**	19.0	30	24.5	10.5	24.0	11.5	18.0	65	10.59	10
	M12	**11SG12**	19.0	30	31.0	13.0	24.0	18.0	18.0	65	11.09	10
	M16	**11SG16**	19.0	30	31.0	17.0	24.0	18.0	18.0	65	9.76	10
240	M10	**12SG10**	21.0	35	31.0	10.5	26.0	11.5	19.0	72	12.70	5
	M12	**12SG12**	21.0	35	31.0	13.0	26.0	21.5	19.0	72	13.72	5
	M16	**12SG16**	21.0	35	31.0	17.0	26.0	21.5	19.0	72	13.28	5
300	M10	**13SG10**	23.5	44	31.0	10.5	29,5	11.5	24.0	87	19.70	5
	M12	**13SG12**	23.5	44	31.0	13.0	29,5	24.0	24.0	87	22.72	5
	M16	**13SG16**	23.5	44	31.0	17.0	29,5	24.0	24.0	87	22.50	5

Angled tubular cable lugs, Cu, 90° angled, standard type



- For multi-stranded, round conductors e.g. to DIN EN 60228
- For pre-rounded multi-stranded sector shaped conductors
- Flat contact surface by special angle pressing technology
- In combination with the EKM 60 ID suitable for fine stranded conductors

Characteristics

- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer
- Item identification on cable lug

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 38
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“

Additional information

- Possible as a special version with inspection hole on request.
  Part Number appendix „MS“

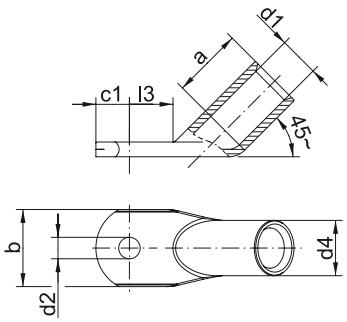
Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	l3		
6	M5	**41R5**	3.5	9	10	5.3	6.5	7.5	9	0.59	50
	M6	**41R6**	3.5	9	12	6.3	6.5	7.5	10	0.58	50
	M8	**41R8**	3.5	9	14	8.4	6.5	10.0	13	0.61	50
	M10	**41R10**	3.5	9	17	10.5	6.5	12.0	15	0.65	50
	M12	**41R12**	3.5	9	19	13.0	6.5	13.0	17	0.62	50
10	M5	**42R5**	4.5	10	12	5.5	7.0	6.5	10	0.57	50
	M6	**42R6**	4.5	10	12	6.4	7.0	6.5	10	0.57	50
	M8	**42R8**	4.5	10	15	8.4	7.0	10.0	13	0.63	50
	M10	**42R10**	4.5	10	17	10.5	7.0	12.0	15	0.66	50
	M12	**42R12**	4.5	10	19	13.0	7.0	13.0	18	0.81	50
16	M5	**43R5**	5.5	13	12	5.5	8.5	7.5	10	1.01	50
	M6	**43R6**	5.5	13	12	6.4	8.5	7.5	11	1.01	50
	M8	**43R8**	5.5	13	15	8.4	8.5	10.0	13	1.08	50
	M10	**43R10**	5.5	13	17	10.5	8.5	12.0	15	1.09	50
	M12	**43R12**	5.5	13	19	13.0	8.5	13.0	18	1.15	50
25	M5	**44R5**	7.0	15	14	5.5	10.0	7.5	11	1.40	25
	M6	**44R6**	7.0	15	14	6.4	10.0	7.5	11	1.32	25
	M8	**44R8**	7.0	15	16	8.4	10.0	10.0	13	1.44	25
	M10	**44R10**	7.0	15	18	10.5	10.0	12.0	15	1.49	25
	M12	**44R12**	7.0	15	19	13.0	10.0	13.0	18	1.44	25
	M14	**44R14**	7.0	15	21	15.0	10.0	14.5	20	1.55	25
35	M6	**45R6**	8.5	17	17	6.4	12.0	7.5	11	2.05	25
	M8	**45R8**	8.5	17	17	8.4	12.0	10.0	13	2.20	25
	M10	**45R10**	8.5	17	19	10.5	12.0	12.0	15	2.28	25
	M12	**45R12**	8.5	17	21	13.0	12.0	13.0	18	2.38	25
	M14	**45R14**	8.5	17	21	15.0	12.0	14.5	20	2.41	25
	M16	**45R16**	8.5	17	26	17.0	12.0	16.0	22	2.40	25

See next page

Angled tubular cable lugs, Cu, 90° angled, standard type

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	l3		
50	M6	**46R6**	10.0	19	20	6.4	14.0	10.0	13	3.34	25
	M8	**46R8**	10.0	19	20	8.4	14.0	10.0	13	3.28	25
	M10	**46R10**	10.0	19	20	10.5	14.0	12.0	16	3.47	25
	M12	**46R12**	10.0	19	23	13.0	14.0	13.0	18	3.42	25
	M14	**46R14**	10.0	19	23	15.0	14.0	14.5	20	3.55	25
	M16	**46R16**	10.0	19	28	17.0	14.0	16.0	22	3.58	25
	M20	**46R20**	10.0	19	30	21.0	14.0	19.0	24	3.15	25
70	M6	**47R6**	12.0	21	23	6.4	16.5	10.0	13	4.90	25
	M8	**47R8**	12.0	21	23	8.4	16.5	10.0	14	4.80	25
	M10	**47R10**	12.0	21	23	10.5	16.5	12.0	16	4.88	25
	M12	**47R12**	12.0	21	23	13.0	16.5	13.0	18	4.99	25
	M14	**47R14**	12.0	21	23	15.0	16.5	14.5	20	5.38	25
	M16	**47R16**	12.0	21	28	17.0	16.5	16.0	22	5.35	25
	M20	**47R20**	12.0	21	30	21.0	16.5	19.0	24	5.30	25
95	M8	**48R8**	13.5	25	26	8.4	18.0	12.0	14	5.89	25
	M10	**48R10**	13.5	25	26	10.5	18.0	12.0	17	5.88	25
	M12	**48R12**	13.5	25	26	13.0	18.0	13.0	18	5.93	25
	M14	**48R14**	13.5	25	26	15.0	18.0	14.5	20	6.03	25
	M16	**48R16**	13.5	25	28	17.0	18.0	16.0	22	6.17	25
	M20	**48R20**	13.5	25	36	21.0	18.0	22.0	24	6.42	25
120	M8	**49R8**	15.0	26	28	8.4	19.5	14.0	16	7.26	10
	M10	**49R10**	15.0	26	28	10.5	19.5	14.0	17	7.30	10
	M12	**49R12**	15.0	26	28	13.0	19.5	14.0	18	7.19	10
	M14	**49R14**	15.0	26	28	15.0	19.5	15.0	20	7.30	10
	M16	**49R16**	15.0	26	30	17.0	19.5	16.0	22	7.35	10
	M20	**49R20**	15.0	26	36	21.0	19.5	22.0	24	7.60	10
150	M8	**50R8**	16.5	30	31	8.4	21.0	14.0	16	8.41	10
	M10	**50R10**	16.5	30	31	10.5	21.0	14.0	17	8.27	10
	M12	**50R12**	16.5	30	31	13.0	21.0	15.0	18	8.34	10
	M14	**50R14**	16.5	30	31	15.0	21.0	15.0	20	8.52	10
	M16	**50R16**	16.5	30	31	17.0	21.0	16.0	22	8.62	10
	M20	**50R20**	16.5	30	36	21.0	21.0	22.0	24	9.10	10
185	M10	**51R10**	19.0	30	35	10.5	24.0	18.0	22	12.17	10
	M12	**51R12**	19.0	30	35	13.0	24.0	18.0	22	11.97	10
	M14	**51R14**	19.0	30	35	15.0	24.0	18.0	22	11.77	10
	M16	**51R16**	19.0	30	35	17.0	24.0	18.0	22	11.53	10
	M20	**51R20**	19.0	30	39	21.0	24.0	22.0	24	12.00	10
240	M10	**52R10**	21.0	35	39	10.5	26.0	21.5	22	15.60	10
	M12	**52R12**	21.0	35	39	13.0	26.0	21.5	22	15.60	10
	M14	**52R14**	21.0	35	39	15.0	26.0	21.5	22	15.41	10
	M16	**52R16**	21.0	35	39	17.0	26.0	22.0	22	15.18	10
	M20	**52R20**	21.0	35	39	21.0	26.0	21.5	24	14.80	10
300	M12	**53R12**	23.5	44	43	13.0	29.5	24.0	24	23.60	5
	M14	**53R14**	23.5	44	43	15.0	29.5	24.0	24	23.40	5
	M16	**53R16**	23.5	44	43	17.0	29.5	24.0	24	20.99	5
	M20	**53R20**	23.5	44	43	21.0	29.5	24.0	24	22.70	5
400	M12	**54R12**	27.0	44	49	13.0	34.0	24.0	24	32.53	5
	M14	**54R14**	27.0	44	49	15.0	34.0	24.0	24	33.40	5
	M16	**54R16**	27.0	44	49	17.0	34.0	24.0	24	32.60	5
	M20	**54R20**	27.0	44	49	21.0	34.0	24.0	24	31.80	5

Angled tubular cable lugs, Cu, 45° angled, standard type



- For multi-stranded, round conductors e.g. to DIN EN 60228
- For pre-rounded multi-stranded sector shaped conductors
- Flat contact surface by special angle pressing technology
- In combination with EKM 60 ID suitable for fine-stranded conductors

Characteristics

- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer
- Item identification on cable lug

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 38
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“

Additional information

- Possible as a special version with inspection hole on request. Part Number appendix „MS“

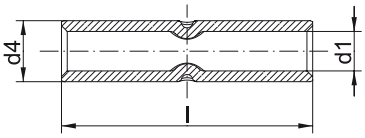
Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	l3		
6	M5	**41R545**	3.5	9	10	5.5	6.5	7.5	9	0.60	50
	M6	**41R645**	3.5	9	12	6.4	6.5	7.5	10	0.58	50
	M8	**41R845**	3.5	9	14	8.4	6.5	10.0	13	0.68	50
	M10	**41R1045**	3.5	9	17	10.5	6.5	12.0	15	0.70	50
	M12	**41R1245**	3.5	9	19	13.0	6.5	13.0	17	0.70	50
10	M5	**42R545**	4.5	10	12	5.5	7.0	6.5	10	0.57	50
	M6	**42R645**	4.5	10	12	6.4	7.0	6.5	10	0.57	50
	M8	**42R845**	4.5	10	15	8.4	7.0	10.0	13	0.63	50
	M10	**42R1045**	4.5	10	17	10.5	7.0	12.0	15	0.68	50
	M12	**42R1245**	4.5	10	19	13.0	7.0	13.0	18	0.68	50
16	M5	**43R545**	5.5	13	12	5.5	8.5	7.5	10	1.01	50
	M6	**43R645**	5.5	13	12	6.4	8.5	7.5	11	1.06	50
	M8	**43R845**	5.5	13	15	8.4	8.5	10.0	13	1.15	50
	M10	**43R1045**	5.5	13	17	10.5	8.5	12.0	15	1.09	50
	M12	**43R1245**	5.5	13	19	13.0	8.5	13.0	18	1.15	50
25	M5	**44R545**	7.0	15	14	5.5	10.0	7.5	11	1.40	25
	M6	**44R645**	7.0	15	14	6.4	10.0	7.5	11	1.32	25
	M8	**44R845**	7.0	15	16	8.4	10.0	10.0	13	1.44	25
	M10	**44R1045**	7.0	15	18	10.5	10.0	12.0	15	1.49	25
	M12	**44R1245**	7.0	15	19	13.0	10.0	13.0	18	1.44	25
	M14	**44R1445**	7.0	15	21	15.0	10.0	14.5	20	1.55	25
35	M6	**45R645**	8.5	17	17	6.4	12.0	7.5	11	2.05	25
	M8	**45R845**	8.5	17	17	8.4	12.0	10.0	13	2.20	25
	M10	**45R1045**	8.5	17	19	10.5	12.0	12.0	15	2.28	25
	M12	**45R1245**	8.5	17	21	13.0	12.0	13.0	18	2.38	25
	M16	**45R1645**	8.5	17	26	17.0	12.0	16.0	22	2.40	25

See next page

Angled tubular cable lugs, Cu, 45° angled, standard type

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	l3		
	M6	**46R645**	10.0	19	20	6.4	14.0	10.0	13	3.43	25
	M8	**46R845**	10.0	19	20	8.4	14.0	10.0	13	3.28	25
50	M10	**46R1045**	10.0	19	20	10.5	14.0	12.0	16	3.47	25
	M12	**46R1245**	10.0	19	23	13.0	14.0	13.0	18	3.42	25
	M16	**46R1645**	10.0	19	28	17.0	14.0	16.0	22	3.76	25
	M6	**47R645**	12.0	21	23	6.4	16.5	10.0	13	5.06	25
	M8	**47R845**	12.0	21	23	8.4	16.5	10.0	14	5.06	25
	M10	**47R1045**	12.0	21	23	10.5	16.5	12.0	16	5.25	25
70	M12	**47R1245**	12.0	21	23	13.0	16.5	13.0	18	5.30	25
	M14	**47R1445**	12.0	21	23	15.0	16.5	14.5	20	5.60	25
	M16	**47R1645**	12.0	21	28	17.0	16.5	16.0	22	5.61	25
	M20	**47R2045**	12.0	21	30	21.0	16.5	19.0	24	5.60	25
	M8	**48R845**	13.5	25	26	8.4	18.0	12.0	14	6.19	25
	M10	**48R1045**	13.5	25	26	10.5	18.0	12.0	17	5.70	25
95	M12	**48R1245**	13.5	25	26	13.0	18.0	13.0	18	6.67	25
	M16	**48R1645**	13.5	25	28	17.0	18.0	16.0	22	6.78	25
	M20	**48R2045**	13.5	25	36	21.0	18.0	22.0	24	6.80	25
	M8	**49R845**	15.0	26	28	8.4	19.5	14.0	16	7.92	10
	M10	**49R1045**	15.0	26	28	10.5	19.5	14.0	17	7.99	10
120	M12	**49R1245**	15.0	26	28	13.0	19.5	14.0	18	7.96	10
	M14	**49R1445**	15.0	26	28	15.0	19.5	15.0	20	7.94	10
	M16	**49R1645**	15.0	26	30	17.0	19.5	16.0	22	8.26	10
	M8	**50R845**	16.5	30	31	8.4	21.0	14.0	16	9.00	10
	M10	**50R1045**	16.5	30	31	10.5	21.0	14.0	17	9.15	10
150	M12	**50R1245**	16.5	30	31	13.0	21.0	15.0	18	8.75	10
	M14	**50R1445**	16.5	30	31	15.0	21.0	15.0	20	9.20	10
	M16	**50R1645**	16.5	30	31	17.0	21.0	16.0	22	9.22	10
	M10	**51R1045**	19.0	30	35	10.5	24.0	18.0	22	13.30	10
	M12	**51R1245**	19.0	30	35	13.0	24.0	18.0	22	13.32	10
185	M14	**51R1445**	19.0	30	35	15.0	24.0	18.0	22	13.40	10
	M16	**51R1645**	19.0	30	35	17.0	24.0	18.0	22	12.80	10
	M20	**51R2045**	19.0	30	39	21.0	24.0	22.0	24	13.10	10
	M10	**52R1045**	21.0	35	39	10.5	26.0	21.5	22	16.28	10
240	M12	**52R1245**	21.0	35	39	13.0	26.0	21.5	22	16.80	10
	M16	**52R1645**	21.0	35	39	17.0	26.0	21.5	22	16.10	10
	M20	**52R2045**	21.0	35	39	21.0	26.0	21.5	24	16.10	10
	M12	**53R1245**	23.5	44	43	13.0	29.5	24.0	24	24.08	5
300	M14	**53R1445**	23.5	44	43	15.0	29.5	24.0	24	24.20	5
	M16	**53R1645**	23.5	44	43	17.0	29.5	24.0	24	23.23	5
	M12	**54R1245**	27.0	44	49	13.0	34.0	24.0	24	34.00	5
400	M14	**54R1445**	27.0	44	49	15.0	34.0	24.0	24	33.40	5
	M16	**54R1645**	27.0	44	49	17.0	34.0	24.0	24	34.28	5

Butt connectors, Cu, standard type



- For fine-stranded round conductors, e.g. to DIN EN 60228 Cl. 5, 0,75-4 mm²
- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2, 6–400 mm²
- For pre-rounded multi-stranded sector shaped conductors
- Simple cable entry for internal chamfer
- In combination with EKM 60 ID suitable for fine-stranded conductors
- With reducting sleeves also suitable for connecting different cross-sections

Characteristics

- Simple and safe processing due to butt mark
- Annealed material optimises material and crimping properties
- Item identification on cable lug

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

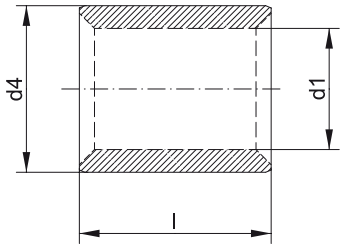
- Tool: see page 38
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“
- Reduction sleeves for connecting unequal cross-sections can be found on page 68

Additional information

- Possible as a special version without inspection hole on request. Part Number appendix „OM“

Nominal cross section mm²	Part No.	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l		
0.75	**17R**	1.3	2.8	20	0.09	100
1.5	**18R**	1.8	3.3	25	0.12	100
2.5	**19R**	2.3	4.2	25	0.20	100
4	**20R**	3.0	5.0	25	0.26	100
6	**21R**	3.5	6.5	25	0.50	100
10	**22R**	4.5	7.0	30	0.72	100
16	**23R**	5.5	8.5	35	1.00	100
25	**24R**	7.0	10.0	40	1.41	50
35	**25R**	8.5	12.0	45	2.24	50
50	**26R**	10.0	14.0	50	3.36	50
70	**27R**	12.0	16.5	55	4.87	50
95	**28R**	13.5	18.0	60	5.91	25
120	**29R**	15.0	19.5	65	7.00	25
150	**30R**	16.5	21.0	70	8.12	10
185	**31R**	19.0	24.0	75	10.06	10
240	**32R**	21.0	26.0	85	13.82	10
300	**33R**	23.5	29.5	100	21.94	5
400	**34R**	27.0	34.0	100	29.65	5

Parallel connectors, Cu, standard type



- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- Ideal for connecting differing cable cross-sections
- Simple cable entry due to internal chamfer

Characteristics
- Annealed material optimises material and crimping properties

Material
- Copper (EN13600)

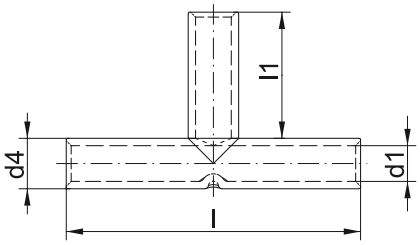
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 38

Additional information
- The stated nominal cross-section corresponds to the total cross-section of the cable
- Additional conductor types and combinations on request

Nominal cross section mm²	Part No.	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l		
1.5	**148R**	1.8	3.3	5	0.03	100
2.5	**149R**	2.3	4.2	5	0.04	100
4	**150R**	3.0	5.0	7	0.08	100
6	**151R**	4.0	6.0	7	0.09	100
10	**152R**	4.5	7.0	9	0.17	100
16	**153R**	5.5	8.5	10	0.28	100
25	**154R**	7.0	10.0	13	0.44	100
35	**155R**	8.5	12.0	16	0.78	100
50	**156R**	10.0	14.0	19	1.22	100
70	**157R**	12.0	16.5	19	1.62	50
95	**158R**	13.5	18.0	20	1.90	50
120	**159R**	15.0	19.5	22	2.28	50
150	**160R**	16.5	21.0	26	3.00	50
185	**161R**	19.0	24.0	30	4.37	50
240	**162R**	21.0	26.0	32	5.30	25
300	**163R**	23.5	29.5	36	8.05	25

T-connectors, Cu, standard type



- For multi-stranded, round conductors e.g. to DIN EN 60228
- For pre-rounded multi-stranded sector shaped conductors
- Special version for cable tap conductors
- With reducting sleeves also suitable for connecting different cross-sections

Characteristics

- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Material

- Copper (EN13600)

Surface

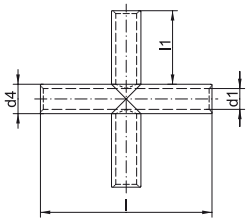
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 38
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“
- Reduction sleeves for connecting different conductor cross-sections you will find on page 68

Nominal cross section mm²	Part No.	Dimension mm				Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l	l1		
1.5	**TV15**	1.8	3.3	30	12	0.23	50
2.5	**TV2.5**	2.3	4.2	30	12	0.37	50
4	**TV4**	3.0	5.0	30	12	0.45	50
6	**TV6**	4.0	6.0	35	14	0.73	50
10	**TV10**	4.5	7.0	35	14	1.05	50
16	**TV16**	5.5	8.5	50	21	2.20	50
25	**TV25**	7.0	10.0	55	23	2.90	25
35	**TV35**	8.5	12.0	70	30	5.20	25
50	**TV50**	10.0	14.0	80	34	7.90	25
70	**TV70**	12.0	16.5	85	35	11.20	10
95	**TV95**	13.5	18.0	90	36	13.00	10
120	**TV120**	15.0	19.5	95	38	14.70	10
150	**TV150**	16.5	21.0	110	44	18.90	10
185	**TV185**	19.0	24.0	115	45	25.00	5
240	**TV240**	21.0	26.0	130	52	31.10	5

Cross-connectors, Cu, standard type



- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded multi-stranded sector shaped conductors
- Version for double cable tap conductors
- With reducting sleeves also suitable for connecting different cross-sections

Characteristics

- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

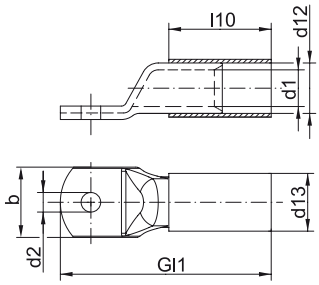
Technical instructions

- Tool: see page 38
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“
- Reduction sleeves for connecting unequal conductor sections can be found on page 68

Nominal cross section mm²	Part No.	Dimension mm				Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l	l1		
2.5	**KV2.5**	2.3	4.2	30	12	0.490	25
4	**KV4**	3.0	5.0	30	12	0.650	25
6	**KV6**	4.0	6.0	35	14	0.950	25
10	**KV10**	4.5	7.0	35	14	1.350	25
16	**KV16**	5.5	8.5	50	21	2.950	25
35	**KV35**	8.5	12.0	70	30	6.900	15
50	**KV50**	10.0	14.0	80	34	10.400	15
70	**KV70**	12.0	16.5	85	35	14.600	15
95	**KV95**	13.5	18.0	90	36	17.100	15
120	**KV120**	15.0	19.5	95	38	19.400	5

Insulated tubular cable lugs, Cu, standard type


- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded multi-stranded sector shaped conductors
- No additional insulation of the crimped connection required
- Is directly crimped with the insulation



Characteristics

- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer
- Heat resistant to 105° C

Material

- Cable lug: Copper to EN 13600
- Insulation sleeve: PA, halogen-free

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 40
- Dimensions of tubular cable lugs can be found from page 14
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“

Additional information

- Possible as a special version with inspection hole on request.
  Part Number appendix „MS“

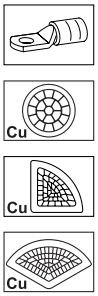
Nominal cross section mm²	Size of bolt dia.	Part No.	Colour	Dimension mm					weight 100 pcs. ~kg Cu	weight 100 pcs. ~kg Total	Packing unit/ pcs
				d12	d13	d2	Gl1	l10			
10	M5	**602R5**		7.0	9.0	5.5	35.5	17.0	0.50	0.548	25
	M6	**602R6**		7.0	9.0	6.5	35.5	17.0	0.49	0.538	25
	M8	**602R8**		7.0	9.0	8.5	42.0	17.0	0.58	0.628	25
	M10	**602R10**		7.0	9.0	10.5	46.0	17.0	0.62	0.668	25
	M12	**602R12**		7.0	9.0	13.0	49.0	17.0	0.64	0.688	25
16	M5	**603R5**		8.5	10.5	5.5	39.5	21.0	0.84	0.907	25
	M6	**603R6**		8.5	10.5	6.5	41.3	21.0	0.86	0.927	25
	M8	**603R8**		8.5	10.5	8.5	45.5	21.0	0.93	0.997	25
	M10	**603R10**		8.5	10.5	10.5	49.5	21.0	0.99	1.057	25
	M12	**603R12**		8.5	10.5	13.0	54.0	21.0	1.02	1.087	25
25	M5	**604R5**		10.0	12.0	5.5	45.0	24.0	1.22	1.312	25
	M6	**604R6**		10.0	12.0	6.5	46.5	24.0	1.20	1.292	25
	M8	**604R8**		10.0	12.0	8.5	51.0	24.0	1.31	1.402	25
	M10	**604R10**		10.0	12.0	10.5	55.0	24.0	1.57	1.662	25
	M12	**604R12**		10.0	12.0	13.0	57.0	24.0	1.39	1.482	25
	M14	**604R14**		10.0	12.0	15.0	61.5	24.0	1.49	1.582	25
35	M6	**605R6**		12.0	14.5	6.5	49.5	27.0	1.85	2.010	25
	M8	**605R8**		12.0	14.5	8.5	54.0	27.0	2.00	2.160	25
	M10	**605R10**		12.0	14.5	10.5	59.0	27.0	2.13	2.290	25
	M12	**605R12**		12.0	14.5	13.0	61.0	27.0	2.12	2.280	25
	M14	**605R14**		12.0	14.5	15.0	64.5	27.0	2.18	2.340	25
	M16	**605R16**		12.0	14.5	17.0	68.0	27.0	2.24	2.400	25

See next page

Insulated tubular cable lugs, Cu, standard type

Nominal cross section mm²	Size of bolt dia.	Part No.	Colour	Dimension mm					Gewicht 100 St. ~kg Cu	Gewicht 100 St. ~kg Ges.	Packing unit/ pcs
				d12	d13	d2	Gl1	l10			
50	M8	**606R8**		14.0	16.5	8.5	59.0	32.0	2.93	3.150	25
	M10	**606R10**		14.0	16.5	10.5	63.0	32.0	3.08	3.300	25
	M12	**606R12**		14.0	16.5	13.0	68.0	32.0	3.23	3.450	25
	M14	**606R14**		14.0	16.5	15.0	71.5	32.0	3.32	3.540	25
	M16	**606R16**		14.0	16.5	17.0	77.0	32.0	3.38	3.600	25
	M20	**606R20**		14.0	16.5	21.0	83.5	32.0	3.46	3.680	25
70	M6	**607R6**		16.4	18.9	6.5	65.5	33.5	4.49	4.760	25
	M8	**607R8**		16.4	18.9	8.5	65.5	33.5	4.38	4.650	25
	M10	**607R10**		16.4	18.9	10.5	66.5	33.5	4.54	4.810	25
	M12	**607R12**		16.4	18.9	13.0	70.5	33.5	4.63	4.900	25
	M16	**607R16**		16.4	18.9	17.0	78.5	33.5	4.24	4.510	25
95	M8	**608R8**		17.8	20.8	8.5	74.0	40.0	5.44	5.85	25
	M10	**608R10**		17.8	20.8	10.5	74.0	40.0	5.40	5.81	25
	M12	**608R12**		17.8	20.8	13.0	76.0	40.0	5.56	5.97	25
120	M10	**609R10**		19.3	22.3	10.5	80.5	41.5	6.57	7.03	10
	M12	**609R12**		19.3	22.3	13.0	80.5	41.5	6.38	6.84	10

Insulated butt connectors, Cu, standard type



- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded multi-stranded sector shaped conductors
- No additional insulation of the crimped connection required
- Is directly crimped with the insulation

Characteristics

- With buttmarks for precise cable insertion
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer
- Heat resistant to 105° C

Material

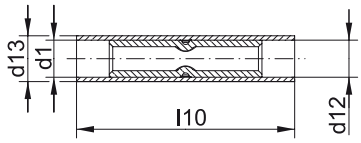
- Connector: Copper (EN 13600)
- Insulation sleeve: PA, halogen-free

Surface

- Tin-plated to protect against corrosion

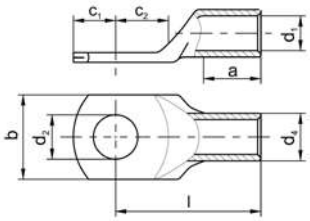
Technical instructions

- Tool: see page 40
- Dimensions of butt connectors can be found on page 21
- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“



Nominal cross section mm²	Part No.	Colour	Dimension mm				Gewicht 100 St. ~kg Cu	Gewicht 100 St. ~kg Ges.	Packing unit/pcs
			d1	d12	d13	l10			
10	**622R**		4,5	7.0	9.0	42	0.72	0.84	25
16	**623R**		5,5	8.5	10.5	50	1.00	1.16	25
25	**624R**		7,0	10.0	12.0	57	1.41	1.63	25
35	**625R**		8,5	12.0	14.4	65	2.24	2.60	25
50	**626R**		10,0	14.0	16.4	72	3.36	3.81	25
70	**627R**		12,0	16.4	19.0	80	4.87	5.46	25
95	**628R**		13,5	17.8	20.8	87	5.91	6.74	25

Tubular cable lugs, blue connection®, Cu



- For compacted multi-stranded round conductors to DIN EN 60228 Cl. 2
- Accurate assignment of crimping tool/crimping die through colour-coding system
- Fewer crimps due to max. crimping width
- Reduced costs due to compact dimensions

Characteristics

- Rigid design thanks to special shaped radius
- Processing takes place without the use of additional sleeves
- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 41

Additional information

- 10-300 mm² IEC-tested

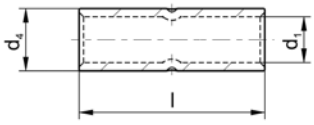
Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
6	M5	**6B5**	3.20	9.0	10.50	5.30	5.00	5.00	6.50	20.50	0.24	50
	M6	**6B6**	3.20	9.0	11.00	6.40	5.00	6.00	8.00	22.00	0.26	50
	M8	**6B8**	3.20	9.0	12.50	8.40	5.00	8.00	10.00	24.00	0.29	50
	M10	**6B10**	3.20	9.00	14.00	10.50	5.00	10.00	11.50	25.50	0.30	50
10	M5	**10B5**	4.10	9.00	11.50	5.30	6.50	5.00	6.50	21.00	0.35	50
	M6	**10B6**	4.10	9.00	12.00	6.40	6.50	6.00	8.00	22.50	0.39	50
	M8	**10B8**	4.10	9.00	14.00	8.40	6.50	8.00	10.00	24.50	0.43	50
	M10	**10B10**	4.10	9.00	15.00	10.50	6.50	10.00	11.50	26.00	0.44	50
16	M6	**16B6**	5.50	10.0	13.50	6.40	7.70	6.00	8.00	25.00	0.61	50
	M8	**16B8**	5.50	10.0	15.00	8.40	7.70	8.00	10.00	27.00	0.65	50
	M10	**16B10**	5.50	10.00	16.50	10.50	7.70	10.00	11.50	28.00	0.69	50
	M12	**16B12**	5.50	10.00	18.50	13.00	7.70	12.00	13.00	29.50	0.72	50
25	M6	**25B6**	6.60	10.0	15.00	6.40	9.00	6.00	8.00	25.50	0.81	25
	M8	**25B8**	6.60	10.0	16.00	8.40	9.00	8.00	10.00	27.50	0.88	50
	M10	**25B10**	6.60	10.0	18.00	10.50	9.00	10.00	11.50	29.00	0.93	50
	M12	**25B12**	6.60	10.0	19.50	13.00	9.00	12.00	13.00	30.50	0.97	25
35	M8	**35B8**	7.70	11.0	18.00	8.40	10.60	8.00	10.00	29.50	1.34	50
	M10	**35B10**	7.70	11.0	19.50	10.50	10.60	10.00	11.50	31.00	1.42	50
	M12	**35B12**	7.70	11.0	21.00	13.00	10.60	12.00	13.00	32.50	1.48	25
50	M8	**50B8**	9.20	11.0	19.00	8.40	12.40	8.00	10.00	31.00	1.87	25
	M10	**50B10**	9.20	11.0	21.00	10.50	12.40	10.00	11.50	32.50	1.95	25
	M12	**50B12**	9.20	11.0	23.00	13.00	12.40	12.00	13.00	34.00	2.05	25
70	M8	**70B8**	11.00	21.0	22.00	8.40	14.60	8.00	10.00	41.50	3.17	25
	M10	**70B10**	11.00	21.0	24.00	10.50	14.60	10.00	11.50	43.00	3.33	25
	M12	**70B12**	11.00	21.0	25.00	13.00	14.60	12.00	13.00	44.50	3.46	25
	M16	**70B16**	11.00	21.0	28.00	17.00	14.60	15.00	17.00	48.50	3.73	10
95	M10	**95B10**	13.00	21.0	26.00	10.50	17.00	10.00	11.50	44.50	4.55	25
	M12	**95B12**	13.00	21.0	28.00	13.00	17.00	12.00	13.00	46.00	4.75	25
	M16	**95B16**	13.00	21.0	30.00	17.00	17.00	15.00	17.00	50.00	5.01	10

See next page

Rohrkabelschuhe, blue connection®, Cu

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
120	M10	**120B10**	14.50	22.0	28.00	10.50	19.00	10.00	11.50	47.00	6.02	25
	M12	**120B12**	14.50	22.0	29.50	13.00	19.00	12.00	13.00	48.50	6.26	25
	M16	**120B16**	14.50	22.0	32.00	17.00	19.00	15.00	17.00	52.50	6.73	10
150	M10	**150B10**	16.20	22.0	30.00	10.50	21.00	10.00	11.50	48.50	7.41	10
	M12	**150B12**	16.20	22.0	32.00	13.00	21.00	12.00	13.00	50.00	7.71	10
185	M10	**185B10**	18.00	24.0	33.00	10.50	23.00	10.00	11.50	52.00	9.21	10
	M12	**185B12**	18.00	24.0	33.00	13.00	23.00	12.00	13.00	53.50	9.43	10
	M16	**185B16**	18.00	24.0	36.00	17.00	23.00	15.00	17.00	57.70	10.14	10
240	M12	**240B12**	20.60	24.0	38.00	13.00	26.00	12.00	13.00	56.00	12.46	10
	M16	**240B16**	20.60	24.0	38.00	17.00	26.00	15.00	17.00	60.00	13.24	10
300	M12	**300B12**	23.10	33.0	41.00	13.00	28.00	12.00	13.00	67.00	14.39	5
	M16	**300B16**	23.10	33.0	41.00	17.00	28.00	15.00	17.00	71.00	15.27	5

Butt connectors, blue connection®, Cu



- For compacted multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- Accurate assignment of crimping tool/crimping die through colour-coding system
- Fewer crimps due to max. crimping width
- Reduced costs due to compact dimensions

Characteristics

- Processing takes place without the use of additional sleeves
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

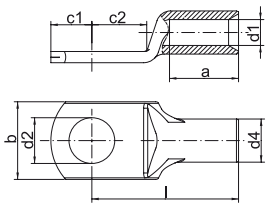
- Tool: see page 41

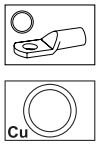
Additional information

- 10-300 mm² IEC-tested

Nominal cross section mm²	Part No.	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l		
6	**6B**	3.20	5.00	25.00	0.255	50
10	**10B**	4.10	6.50	25.00	0.360	50
16	**16B**	5.50	7.70	27.00	0.543	50
25	**25B**	6.60	9.00	27.00	0.699	50
35	**35B**	7.70	10.60	28.00	1.026	50
50	**50B**	9.20	12.40	28.00	1.334	25
70	**70B**	11.00	14.60	48.00	3.065	25
95	**95B**	13.00	17.00	48.00	3.987	25
120	**120B**	14.50	19.00	50.00	5.157	25
150	**150B**	16.20	21.00	52.00	6.379	10
185	**185B**	18.00	23.00	56.00	7.889	10
240	**240B**	20.60	26.00	58.00	10.000	10
300	**300B**	23.10	28.00	76.00	13.079	5

Tubular cable lugs, Cu, solid conductor type





- For single-stranded round conductors, e.g. to DIN EN 60228 Cl. 1
- For pre-rounded sector shaped conductors
- Safe and secure connecting of solid conductors

Characteristics

- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer

Material

- Copper (EN13600)

Surface

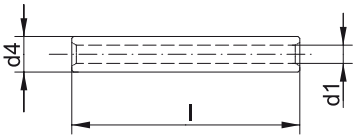
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 44

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
6	M5	**SR65**	3.0	8	9.0	5.3	5	4.75	6.0	17.0	0.213	25
	M6	**SR66**	3.0	8	10.0	6.4	5	6.50	6.5	19.0	0.220	25
10		**SR106**	4.0	9	10.0	6.4	6	7.00	6.5	19.0	0.300	25
	M8	**SR108**	4.0	9	14.0	8.4	6	8.50	9.5	22.0	0.320	25
16	M6	**SR166**	5.0	12	12.5	6.4	8	6.50	7.0	23.5	0.800	25
	M8	**SR168**	5.0	12	15.0	8.5	8	9.00	9.0	26.0	0.900	25
25	M6	**SR256**	6.2	15	14.0	6.5	10	7.50	7.5	30.0	1.560	25
	M8	**SR258**	6.2	15	16.0	8.5	10	10.00	10.0	32.0	1.700	25
35	M8	**SR358**	7.0	15	16.0	8.5	10	10.00	10.0	32.0	1.310	25
	M10	**SR3510**	7.0	15	18.0	10.5	10	12.00	12.0	34.0	1.570	25
50	M6	**SR506**	8.5	17	17.0	6.5	12	7.50	7.5	32.0	1.850	25
	M8	**SR508**	8.5	17	17.0	8.4	12	10.00	10.0	34.0	2.000	25
	M10	**SR5010**	8.5	17	19.0	10.5	12	12.00	12.0	37.0	2.130	25

Butt connectors, Cu, solid conductor type



- For single-stranded round conductors, e.g. to DIN EN 60228 Cl. 1
- Also pre-rounded sector shaped conductors
- Safe and secure connecting of solid conductors
- Ideal for repairing damaged NYM cables

Characteristics
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

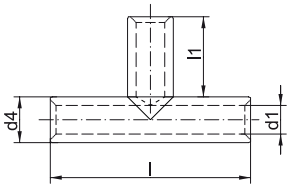
Material
- Copper (EN13600)

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 44

Nominal cross section mm²	Part No.	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l		
1.5-2.5	**SV1525**	2.0	3.9	25	0.210	100
4	**SV4**	2.4	4.4	25	0.240	100
6	**SV6**	3.0	5.0	25	0.275	100
10	**SV10**	4.0	6.0	25	0.350	100
16	**SV16**	5.0	8.0	35	0.960	100
25	**SV25**	6.2	10.0	40	1.700	50
35	**SV35**	7.0	10.0	40	1.420	50
50	**SV50**	8.5	12.0	70	3.550	50

T-connectors, Cu, solid conductor type



- For single-stranded round conductors, e.g. to DIN EN 60228 Cl. 1
- Also pre-rounded sector shaped conductors
- Safe and secure connecting of solid conductors
- Special version for cable tap conductors

Characteristics
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

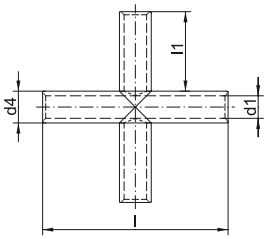
Material
- Copper (EN13600)

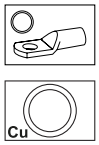
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 44

Nominal cross section mm²	Part No.	Dimension mm				Draht-Ø mm	Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l	l1			
1.5-2.5	**STV1525**	1.9	3.9	30	12	1.38/1.78	0.34	50
4	**STV4**	2.4	4.4	30	12	2.25	0.40	50
6	**STV6**	3.0	5.0	30	12	2.75	0.48	50
10	**STV10**	4.0	6.0	35	14	3.55	0.72	50
16	**STV16**	5.0	8.0	35	14	4.5	1.40	50
25	**STV25**	6.2	10.0	50	21	5.65	3.20	25
35	**STV35**	7.0	10.0	55	23	6.7	2.95	25
50	**STV50**	8.5	12.0	76	32	8	5.60	25

Cross-connectors, Cu, solid conductor type





- For single-stranded round conductors, e.g. to DIN EN 60228 Cl. 1
- Also pre-rounded sector shaped conductors
- Safe and secure connecting of solid conductors
- Special version for double cable tap conductors

Characteristics

- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Material

- Copper (EN13600)

Surface

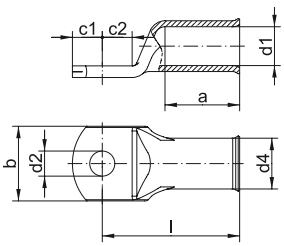
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 44

Nominal cross section mm²	Part No.	Dimension mm				Draht-Ø mm	Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l	l1			
1.5-2.5	**SKV1525**	1.9	3.9	30	12	1.38/1.78	0.47	25
4	**SKV4**	2.4	4.4	30	12	2.25	0.56	25
6	**SKV6**	3.0	5.0	30	12	2.75	0.67	25
16	**SKV16**	5.0	8.0	35	14	4.5	1.86	25
35	**SKV35**	7.0	10.0	55	23	6.7	3.80	15

Tubular cable lugs, Cu, F-series



- For fine and superfine stranded round conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Pipe dimension adjusted for fine and superfine stranded conductors
- Special wide opening for the easy entry of fine conductors

Characteristics

- Annealed material optimises material and crimping properties
- To DIN EN 61373 class 1B vibration-tested
- Simple and safe connection due to flat contact surfaces and internal chamfer
- Reliable assignment owed to item designation on the cable lug

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 42

Additional information

- Possible as a special bright version on request. Part Number appendix „BK“
- 10 - 240 mm² UL-tested

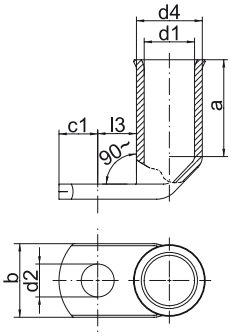
Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
10	M5	**702F5**	5.5	14	12	5.5	8.0	6.25	7.5	27	0.72	100
	M6	**702F6**	5.5	14	12	6.5	8.0	6.25	7.5	27	0.71	100
	M8	**702F8**	5.5	14	16	8.4	8.0	9.00	9.5	29	0.77	100
	M10	**702F10**	5.5	14	16	10.5	8.0	10.50	11.5	31	0.82	100
	M12	**702F12**	5.5	14	19	13.0	8.0	12.00	13.0	32	0.82	100
16	M5	**703F5**	6.6	15	13	5.5	9.5	6.25	7.5	30	1.10	100
	M6	**703F6**	6.6	15	13	6.4	9.5	6.25	7.5	30	1.07	100
	M8	**703F8**	6.6	15	16	8.4	9.5	10.00	10.0	32	1.21	100
	M10	**703F10**	6.6	15	17	10.5	9.5	12.00	12.0	34	1.28	100
	M12	**703F12**	6.6	15	19	13.0	9.5	13.00	13.0	35	1.28	100
25	M5	**704F5**	7.9	17	15.5	5.3	11.0	7.50	7.5	32	1.52	25
	M6	**704F6**	7.9	17	15.5	6.5	11.0	7.50	7.5	32	1.50	100
	M8	**704F8**	7.9	17	17	8.4	11.0	10.00	10.0	34	1.61	100
	M10	**704F10**	7.9	17	17	10.5	11.0	12.00	12.0	37	1.71	100
	M12	**704F12**	7.9	17	19	13.0	11.0	13.00	13.0	38	1.74	25
35	M6	**705F6**	9.2	19	17.5	6.4	12.4	7.50	7.5	35	1.91	100
	M8	**705F8**	9.2	19	18	8.4	12.4	10.00	10.0	37	2.08	100
	M10	**705F10**	9.2	19	18	10.5	12.4	12.00	12.0	40	2.24	100
	M12	**705F12**	9.2	19	19	13.0	12.4	13.00	13.0	41	2.22	25
	M14	**705F14**	9.2	19	21	15.0	12.4	14.50	14.5	43	2.41	25
50	M6	**706F6**	11.0	21	21	6.4	15.0	10.00	10.0	41	3.54	25
	M8	**706F8**	11.0	21	21	8.4	15.0	10.00	10.0	41	3.44	50
	M10	**706F10**	11.0	21	21	10.5	15.0	12.00	12.0	43	3.64	50
	M12	**706F12**	11.0	21	21	13.0	15.0	13.00	13.0	46	3.73	50
	M14	**706F14**	11.0	21	23	15.0	15.0	14.50	14.5	48	3.89	25
	M16	**706F16**	11.0	21	28	17.0	15.0	16.00	16.0	50	4.02	25

See next page

Tubular cable lugs, Cu, F-series

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	c2	l		
70	M8	**707F8**	13.0	25	25	8.5	17.0	10.00	10.0	46	4.46	50
	M10	**707F10**	13.0	25	25	10.5	17.0	12.00	12.0	48	4.62	50
	M12	**707F12**	13.0	25	25	13.0	17.0	13.00	13.0	50	4.71	50
	M14	**707F14**	13.0	25	25	15.0	17.0	14.50	14.5	51.5	4.87	25
	M16	**707F16**	13.0	25	25	17.0	17.0	16.00	16.0	54	5.85	25
95	M8	**708F8**	14.5	26	28	8.5	19.0	12.00	12.0	52	6.35	25
	M10	**708F10**	14.5	26	28	10.5	19.0	12.00	12.0	52	6.23	50
	M12	**708F12**	14.5	26	28	13.0	19.0	13.00	13.0	53	6.31	50
	M14	**708F14**	14.5	26	28	15.0	19.0	14.50	14.5	55	6.46	25
	M16	**708F16**	14.5	26	28	17.0	19.0	16.00	16.0	56	6.56	50
120	M10	**709F10**	16.2	30	30	10.5	21.0	14.00	14.0	57	8.31	50
	M12	**709F12**	16.2	30	30	13.0	21.0	15.00	15.0	58	8.39	50
	M14	**709F14**	16.2	30	30	15.0	21.0	15.00	15.0	58	8.06	25
	M16	**709F16**	16.2	30	30	17.0	21.0	16.00	16.0	59	8.17	50
	M20	**709F20**	16.2	30	36	21.0	21.0	22.00	22.0	66	9.56	25
150	M10	**710F10**	18.0	32	34	10.5	23.0	15.00	16.0	64	10.91	10
	M12	**710F12**	18.0	32	34	13.0	23.0	16.00	17.0	65	10.89	25
	M14	**710F14**	18.0	32	34	15.0	23.0	18.00	19.0	67	11.42	10
	M16	**710F16**	18.0	32	34	17.0	23.0	19.00	20.0	68	11.30	10
	M20	**710F20**	18.0	32	40	21.0	23.0	21.00	22.0	70	11.36	10
185	M10	**711F10**	20.6	35	39	10.5	26.0	21.50	19.0	72	15.60	10
	M12	**711F12**	20.6	35	39	13.0	26.0	21.50	19.0	72	15.40	10
	M14	**711F14**	20.6	35	39	15.0	26.0	21.50	19.0	72	15.20	10
	M16	**711F16**	20.6	35	39	17.0	26.0	21.50	19.0	72	15.00	25
	M20	**711F20**	20.6	35	39	21.0	26.0	21.50	19.0	72	14.20	10
240	M10	**712F10**	23.1	44	41	10.5	28.0	16.00	17.0	80	16.50	10
	M12	**712F12**	23.1	44	42	13.0	28.0	16.00	17.0	80	16.30	10
	M14	**712F14**	23.1	44	41	15.0	28.0	19.00	20.0	83	16.80	10
	M16	**712F16**	23.1	44	41	17.0	28.0	19.00	20.0	83	16.71	25
	M20	**712F20**	23.1	44	41	21.0	28.0	21.00	22.0	85	17.12	10
300	M12	**713F12**	26.1	44	47	13.0	32.0	19.00	22.0	96	25.60	5
	M14	**713F14**	26.1	44	47	15.0	32.0	19.00	22.0	96	26.56	5
	M16	**713F16**	26.1	44	47	17.0	32.0	19.00	22.0	96	25.60	5
	M20	**713F20**	26.1	44	47	21.0	32.0	22.00	22.0	96	26.24	5

Angled tubular cable lugs, Cu, 90° and 45° angled, F-series



- For fine and superfine stranded round conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Tube dimension adjusted for fine and superfine stranded conductors
- Special wide opening for the easy entry of fine conductors
- Flat contact surface by special angle pressing technology

Characteristics

- Annealed material optimises material and crimping properties
- Tube dimensions suitable for fine stranded conductors
- Flat contact surface and internal chamfer for simple cable insertion

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 42

Additional information

- Possible as a special version with inspection hole on request. Part Number appendix „MS“
- Possible as a special 45° angled version on request. Part Number appendix „45“
- 90° angled version: 10 - 240 mm² UL-tested

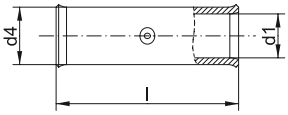
Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	l3		
10	M5	**742F5**	5.5	14	12	5.3	8.0	6.25	10.5	0.80	50
	M6	**742F6**	5.5	14	12	6.4	8.0	6.25	10.5	0.78	50
	M8	**742F8**	5.5	14	16	8.4	8.0	9.00	12.5	0.84	50
	M10	**742F10**	5.5	14	16	10.5	8.0	10.50	14.5	0.88	50
	M12	**742F12**	5.5	14	19	13.0	8.0	12.00	16.0	0.90	50
16	M5	**743F5**	6.6	15	13	5.3	9.5	6.25	9.5	1.12	50
	M6	**743F6**	6.6	15	13	6.4	9.5	6.25	9.5	1.12	50
	M8	**743F8**	6.6	15	16	8.4	9.5	10.00	13.0	1.30	50
	M10	**743F10**	6.6	15	17	10.5	9.5	12.00	15.0	1.38	50
	M12	**743F12**	6.6	15	19	13.0	9.5	13.00	16.0	1.34	50
25	M5	**744F5**	7.9	17	15	5.3	11.0	7.50	10.5	1.52	25
	M6	**744F6**	7.9	17	15	6.4	11.0	7.50	10.5	1.54	25
	M8	**744F8**	7.9	17	17	8.5	11.0	10.00	13.0	1.80	25
	M10	**744F10**	7.9	17	17	10.5	11.0	12.00	15.0	1.79	25
	M12	**744F12**	7.9	17	19	13.0	11.0	13.00	16.0	1.76	25
35	M6	**745F6**	9.2	19	17	6.5	12.4	7.50	10.5	2.02	25
	M8	**745F8**	9.2	19	18	8.5	12.4	10.00	13.0	2.18	25
	M10	**745F10**	9.2	19	18	10.5	12.4	12.00	15.0	2.30	25
	M12	**745F12**	9.2	19	19	13.0	12.4	13.00	16.0	2.26	25
50	M6	**746F6**	11.0	21	21	6.4	15.0	10.00	10.0	3.75	25
	M8	**746F8**	11.0	21	21	8.5	15.0	10.00	10.0	3.57	25
	M10	**746F10**	11.0	21	21	10.5	15.0	12.00	15.0	3.83	25
	M12	**746F12**	11.0	21	21	13.0	15.0	13.00	16.0	3.74	25
	M14	**746F14**	11.0	21	23	15.0	15.0	14.50	17.5	4.20	25

See next page

Angled tubular cable lugs, Cu, 90° angled, F-series

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	a	b	d2	d4	c1	l3		
70	M8	**747F8**	13.0	25	25	8.5	17.0	10.00	15.0	4.83	25
	M10	**747F10**	13.0	25	25	10.5	17.0	12.00	16.0	5.18	25
	M12	**747F12**	13.0	25	25	13.0	17.0	13.00	17.5	5.16	25
	M14	**747F14**	13.0	25	25	15.0	17.0	14.50	19.0	5.38	25
	M16	**747F16**	13.0	25	25	17.0	17.0	16.00	15.0	6.50	25
95	M8	**748F8**	14.5	26	28	8.5	19.0	12.00	12.0	6.66	25
	M10	**748F10**	14.5	26	28	10.5	19.0	12.00	15.0	6.04	25
	M12	**748F12**	14.5	26	28	13.0	19.0	13.00	16.0	6.58	25
	M14	**748F14**	14.5	26	28	15.0	19.0	14.50	17.5	7.24	25
	M16	**748F16**	14.5	26	28	17.0	19.0	16.00	19.0	7.34	25
120	M10	**749F10**	16.2	30	30	10.5	21.0	14.00	14.0	8.76	10
	M12	**749F12**	16.2	30	30	13.0	21.0	15.00	18.0	8.76	10
	M14	**749F14**	16.2	30	30	15.0	21.0	15.00	18.0	9.15	10
	M16	**749F16**	16.2	30	30	17.0	21.0	16.00	19.0	8.54	10
150	M10	**750F10**	18.0	32	34	10.5	23.0	15.00	19.0	11.54	10
	M12	**750F12**	18.0	32	34	13.0	23.0	16.00	21.0	11.58	10
	M14	**750F14**	18.0	32	34	15.0	23.0	18.00	22.0	11.90	10
	M16	**750F16**	18.0	32	34	17.0	23.0	19.00	23.0	11.80	10
	M20	**750F20**	18.0	32	40	21.0	23.0	21.00	23.0	12.00	10
185	M12	**751F12**	20.6	35	39	13.0	26.0	21.50	22.0	16.36	10
	M14	**751F14**	20.6	35	39	15.0	26.0	21.50	22.0	16.20	10
	M16	**751F16**	20.6	35	39	17.0	26.0	21.50	22.0	15.36	10
	M20	**751F20**	20.6	35	39	21.0	26.0	21.50	22.0	15.80	10
240	M16	**752F16**	23.1	44	41	17.0	28.0	19.00	20.0	17.80	5

Butt connectors, Cu, F-series



- For fine and superfine stranded round conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Pipe dimension adjusted for fine and superfine stranded conductors
- Special wide opening for the easy entry of fine conductors

Characteristics

- Simple and safe processing due to butt mark
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Material

- Copper (EN13600)

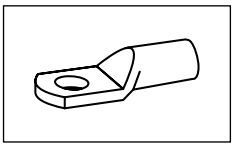
Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 42

Nominal cross section mm²	Part No.	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l		
10	**722F**	5.5	8.0	38	0.90	100
16	**723F**	6.6	9.5	38	1.25	100
25	**724F**	7.9	11.0	38	1.56	50
35	**725F**	9.2	12.5	45	2.19	50
50	**726F**	11.0	15.0	45	3.37	50
70	**727F**	13.0	17.0	54	4.65	50
95	**728F**	14.5	19.0	56	6.05	25
120	**729F**	16.2	21.0	60	7.58	25
150	**730F**	18.0	23.0	68	9.83	10
185	**731F**	20.6	26.0	75	13.30	10

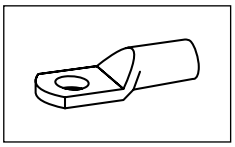


Tool application chart

Tubular cable lugs, butt connectors, parallel connectors and T-connectors „standard type“ and tubular cable lugs for switchgear connections made from Cu
Part 1 of 2

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	0,75 - 16	K2		224		
	1 - 4	K511		233		
	6 - 50	K5		226		
		K05		229		
	6 + 10	K512		233		
	10 - 25	K04		228		
	6 - 120	K06		231		
	16 - 95	K95		225		
		TK95		225		
	25 - 150	K09		232		
	50 - 120	K6		226		
	35 - 95	K8		228		
	120 - 240	K7		227		
	185 - 400	K07		227		
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	0.75 - 10	K50		235	312	
		EK50ML		244	312	
	6 - 150	K354		236	314	
	6 - 240	K18		239	323	
	6 - 300	K22		240	327	
Hand hydraulic crimping tools	6 - 185	HK6018		280	323	
		HK60UNV	+UA18	465	323	
	6 - 300	HK6022		282	327	
		HK60UNV	+UA22	465	327	
	10 - 240	HK60VP		284		
	16 - 300	HK60VPFT		285		
	16 - 400	HK12030		286	333	
		HK12042		288	333	
		HK120U		290	333	
Battery powered crimping tools	0.75 - 10	EK1550ML		248	312	
	6 - 120	EK30IDML		247		
	6 - 150	EK354ML		250	314	
		EK354		256	314	
	6 - 240	EK5018		260	323	
		EK60UNV	+UA18	468	323	
		EKM60UNV	+UA18	467	323	
	6 - 240	EK505		258	319	

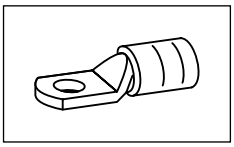
See next page



Tool application chart

Tubular cable lugs, butt connectors, parallel connectors and T-connectors „standard type“ and tubular cable lugs for switchgear connections made from Cu
Part 2 of 2

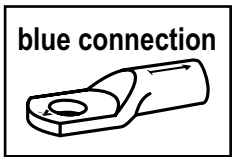
Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Battery powered crimping tools	6 - 300	EK6022		264	327	
		EKM6022		262	327	
		EK60UNV	+UA22	468	327	
		EKM60UNV	+UA22	467	327	
	10 - 240	EK60VP		266		
		EKM60ID		268		
	16 - 300	EK60VPFT		267		
	16 - 400	EK12032		270	333	
		EK12042		272	333	
		EK120U		274	333	
		EK135FT	+UA12T	276	333	
		EK120UNV	+UA15T	469	333	
	70 - 185	EK120ID		269		
	400 - 630	EK135FT		276	338	
Hydraulic crimping systems	6 - 240	THK18		294	323	
	6 - 300	THK22		296	327	
	10 - 400	THK120		300	333	
	16 - 400	HK252	+25A13	308	333 + 339	
Hydraulic crimping heads	6 - 240	PK18		294	323	
		PK60UNV	+UA18	466	323	
	6 - 300	PK22		296	327	
		PK60UNV	+UA22	466	327	
	10 - 240	PK60VP		298		
		PK60ID		299		
	16 - 300	PK60VPFT		298		
	16 - 400	PK12042		300	333	
		PK120U		302	333	
	16 - 400	PK252	+25A13	304	333 + 339	



Tool application chart

Insulated tubular cable lugs and butt connectors „standard type“

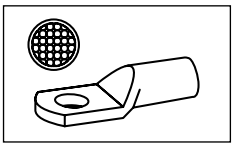
Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	10 - 70	K354		236	314	⬭
	10 - 95	K18		238	323	⬭
	10 - 150	K22		240	327	⬭
Hand hydraulic crimping tools	10 - 95	HK6018		280	323	⬭
		HK60UNV	+UA18	465	323	⬭
	10 - 150	HK6022		282	327	⬭
		HK60UNV	+UA22	465	327	⬭
		HK12030		286	333	⬭
		HK12042		288	333	⬭
		HK120U		290	333	⬭
Battery powered crimping tools	10 - 70	EK354ML		250	314	⬭
		EK354		256	314	⬭
	10 - 95	EK5018		260	323	⬭
		EK505		258	319	⬭
		EK60UNV	+UA18	468	323	⬭
		EKM60UNV	+UA18	467	323	⬭
	10 - 150	EK6022		262	327	⬭
		EKM6022		264	327	⬭
		EK60UNV	+UA22	468	327	⬭
		EKM60UNV	+UA22	467	327	⬭
		EK12032		270	333	⬭
		EK12042		272	333	⬭
		EK120U		274	333	⬭
		EK135FT	+UA15T	276	333	⬭
		EK120UNV	+UA12T	469	333	⬭
Hydraulic crimping systems	10 - 95	THK18		294	323	⬭
	10 - 150	THK22		296	327	⬭
		THK120		300	333	⬭
		HK252	+25A13	308	333	⬭
Hydraulic crimping heads	10 - 95	PK18		294	323	⬭
		PK60UNV	+UA18	466	323	⬭
	10 - 150	PK22		296	327	⬭
		PK60UNV	+UA22	466	327	⬭
		PK12042		300	333	⬭
		PK120U		302	333	⬭
		PK252	+25A13	304	333	⬭



Tool application chart

Tubular cable lugs and butt connectors
blue connection©

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	6 - 50	K05BC		229		⬡
	6 - 300	K22		240	328	⬡
	6 - 120	K06BC		230		⬡
	25 - 150	K09BC		232		⬡
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	6 - 150	K354		236	314	⬡
Hand hydraulic crimping tools	6 - 240	HK60UNV	+UA5	465	319	⬡
	6 - 300	HK6022		282	328	⬡
		HK60UNV	+UA22	465	328	⬡
Battery powered crimping tools	6 - 150	EK354ML		250	314	⬡
		EK354		256	314	⬡
	6 - 185	EK505		258	319	⬡
		EKM60UNV	+UA5	467	319	⬡
		EK60UNV	+UA5	468	319	⬡
	6 - 300	EK6022		264	328	⬡
		EKM6022		262	328	⬡
		EKM60UNV	+UA22	467	328	⬡
		EK60UNV	+UA22	468	328	⬡
Hydraulic crimping systems	6 - 300	THK22		296	328	⬡
Hydraulic crimping heads	6 - 300	PK22		296	328	⬡
		PK60UNV	+UA22	466	328	⬡



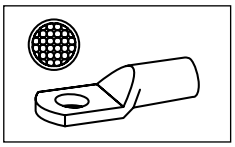
Tool application chart

Tubular cable lugs and butt connectors for fine stranded conductors

Part 1 of 2

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	6 - 50	K5		226		
	16 - 95	K95		225		
		TK95		225		
	35 - 95	K8		228		
	50 - 120	K6		226		
	120 - 240	K7		227		
	185 - 400	K07		227		
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	10 - 50	K354		236	315	
	10 - 50	K18		238	323	
	10 - 70	K22		240	328	
Hand hydraulic crimping tools	10 - 50	HK6018		280	323	
		HK60UNV	+UA18	465	323	
	10 - 70	HK6022		282	328	
		HK60UNV	+UA22	465	328	
	10 - 240	HK60VP		284		
	10 - 150	HK12030		286	334	
		HK12042		288	334	
		HK120U		290	334	
	16 - 300	HK60VPFT		285		
Battery powered crimping tools	6 - 120	EK30IDML		247	328	
	10 - 50	EK354ML		250	315	
		EK354		256	315	
		EK505		258	320	
		EK5018		260	323	
		EK60UNV	+UA18	468	323	
		EKM60UNV	+UA18	467	323	
	10 - 70	EK6022		264	328	
		EKM6022		262	328	
		EK60UNV	+UA22	468	328	
		EKM60UNV	+UA22	467	328	
	10 - 240	EK60VP		266		
		EKM60ID		268		
	10 - 150	EK12032		270	334	
		EK12042		272	334	
		EK120U		274	334	
		EK135FT	+UA15T	276	334	
		EK120UNV	+UA12T	469	334	
	16 - 300	EK60VPFT		267		
	70 - 240	EK120ID		269		
Hydraulic crimping systems	10 - 50	THK18		294	323	
	10 - 70	THK22		296	328	
	10 - 300	HK252	+25A13	308	334 + 339	

See next page

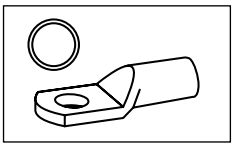


Tool application chart

Tubular cable lugs and butt connectors for fine stranded conductors

Part 2 of 2

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Hydraulic crimping heads	**10 - 50**	PK18		294	323	
		PK60UNV	+UA18	466	323	
	10 - 70	PK22		296	328	
		PK60UNV	+UA22	466	328	
	16 - 300	PK60VP		298		
		PK60ID		299		
	10 - 150	PK12042		300	334	
		PK120U		302	334	
	10 - 300	PK60VPFT		298		
		PK252	+25A13	304	334 + 339	



Tool application chart

Tubular cable lugs and butt connectors for solid conductors

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	0.75-16	K02		224		◡
	1.5-4	K93		223		⬡
	6-10	K94		223		⬡
	25-50*	K05		229		⬡
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	1.5-10	K50		235	312	⬡
		EK50ML		244	312	⬡
	1.5-16	K354		236	315	⬡
		K18		238	324	⬡
		K22		240	328	⬡
Hand hydraulic crimping tools	1.5-16	HK6018		280	324	⬡
		HK60UNV	+UA18	465	324	⬡
		HK6022		282	328	⬡
		HK60UNV	+UA22	465	328	⬡
Battery powered crimping tools	1.5-10	EK1550ML		248	312	⬡
	1.5-16	EK354ML		250	315	⬡
		EK354		256	315	⬡
		EK5018		260	324	⬡
		EK60UNV	+UA18	468	324	⬡
		EKM60UNV	+UA18	467	324	⬡
		EK6022		264	328	⬡
		EKM6022		262	328	⬡
		EK60UNV	+UA22	468	328	⬡
		EKM60UNV	+UA22	467	328	⬡
Hydraulic crimping systems	1.5-16	THK18		294	324	⬡
		THK22		296	328	⬡
Hydraulic crimping heads	1.5-16	PK18		294	324	⬡
		PK60UNV	+UA18	466	324	⬡
		PK22		296	328	⬡
		PK60UNV	+UA22	466	328	⬡

*For cross-sections 25 + 35 mm² use the die size 25 mm².
For cross-section 50 mm² use the die size 35 mm².
We recommend 2 crimps on each side

THE RESISTANT – TUBULAR CABLE LUGS AND CONNECTORS, NICKEL OR STAINLESS STEEL

We also develop for use in tough conditions. Our tubular cable lugs and connectors made from nickel and stainless steel are a cut above: withstanding temperatures of up to 650 °C, our Klauke products have without doubt developed to meet the requirements of the chemical industry, the foodstuff sector and foodstuff industry. You can also rely on our high-quality products for special applications. We know what we are doing.

In brief

- Tough to 650 °C
- Suitable for the chemical and foodstuff industry sectors, for instance
- Suitable even for aggressive environments, such as contact with salt water

When things get hot: Nickel cable lugs

Nickel cable lugs are especially suitable for use in applications at high temperatures of up to 650 °C. Thanks to their high resilience they no longer need to be frequently replaced at connections exposed to heat.

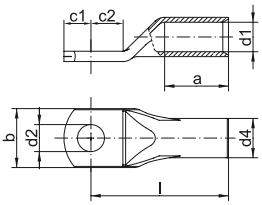
- High-quality nickel
- Heat-resistant to 650 °C
- No constant replacement of the cable lug at hot locations

Safe in aggressive environments with stainless steel

High-quality stainless steel ensures extra resilience, especially in aggressive environments. The resistance is retained.

- High-quality V2A and V4A stainless steel
- Acid resistant
- Can be used at temperatures to 400 °C
- V2A stainless steel for the chemical and foodstuff sectors and salt water applications
- V4A stainless steel in chlorinated environments such as swimming pools, for instance

Tubular cable lugs, stainless steel



- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded stranded sector shaped conductors
- Ideal for aggressive environmental conditions, acid and rust-resistant
- Heat resistant up to 400 °C

Characteristics
- Simple and safe connection due to flat contact surfaces and internal chamfer

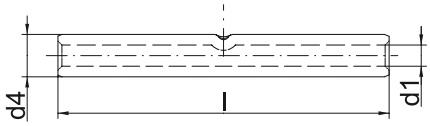
Material
- V2A (X5CrNi18-10)

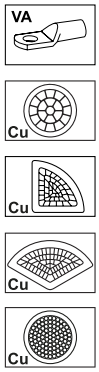
Technical instructions
- Tool: see page 53

Additional information
- Also available as featured article in stainless steel V4A (X5CrNiMo17-12-2)

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/ pcs
			d1	a	b	c1	c2	d2	d4	l		
0.5 - 1	M4	**79V4**	1.6	6	6.5	4.5	4.5	4.3	3.2	13	0.080	100
	M5	**79V5**	1.6	6	7.5	5	5.5	5.3	3.2	14	0.080	100
1.5 - 2.5	M4	**80V4**	3.0	8	9.0	5	5.5	4.3	5.0	17	0.260	100
	M5	**80V5**	3.0	8	9.0	5	6	5.5	5.0	17	0.190	100
	M6	**80V6**	3.0	8	9.5	6.5	6.5	6.5	5.0	19	0.215	100
4 - 6	M4	**81V4**	4.0	9	9.0	5	5.5	4.3	6.0	18	0.260	100
	M5	**81V5**	4.0	9	9.5	6	6	5.5	6.0	19	0.280	100
	M6	**81V6**	4.0	9	10.0	7	6.5	6.5	6.0	19	0.280	100
10	M5	**82V5**	5.0	10	12.5	6.5	7.5	5.5	8.0	22	0.710	100
	M6	**82V6**	5.0	10	12.5	6.5	7.5	6.5	8.0	22	0.780	100
	M8	**82V8**	5.0	10	15.0	9	10	8.5	8.0	25	0.780	100
16	M5	**83V5**	6.0	13	12.0	5.5	6.5	5.5	8.0	28	0.500	50
	M6	**83V6**	6.0	13	12.0	6	7.5	6.5	8.0	28	0.550	50
	M8	**83V8**	6.0	13	15.0	8.5	9.5	8.5	8.0	29	0.600	50
25	M6	**84V6**	7.0	15	14.0	7.5	7.5	6.5	10.0	30	1.210	50
	M8	**84V8**	7.0	15	16.0	9	10	8.5	10.0	32	1.850	50
35	M6	**85V6**	9.0	17	17.0	7.5	7.5	6.5	12.0	32	1.600	50
	M8	**85V8**	9.0	17	17.0	10	10	8.5	12.0	35	1.850	50
50	M6	**86V6**	10.0	19	20.0	10	10	6.5	14.0	37	2.800	50
	M8	**86V8**	10.0	19	20.0	10	10	8.5	14.0	37	2.600	50
	M10	**86V10**	10.0	19	20.0	12	12	10.5	14.0	39	2.800	50
	M12	**86V12**	10.0	19	20.0	13	13	13.0	14.0	43	2.960	50
70	M8	**87V8**	12.0	21	23.0	10	10	8.5	16.0	43	3.650	25
	M10	**87V10**	12.0	21	23.0	12	12	10.5	16.0	44	3.930	25
	M12	**87V12**	12.0	21	23.0	13	13	13.0	16.0	46	3.850	25
	M16	**87V16**	12.0	21	26.0	16	16	17.0	16.0	46	3.960	25
95	M8	**88V8**	14.0	25	26.0	12	12	8.5	18.0	48	4.650	25
	M10	**88V10**	14.0	25	26.0	12	12	10.5	18.0	48	5.610	25
	M12	**88V12**	14.0	25	26.0	13	13	13.0	18.0	49	5.540	25

Butt connectors, stainless steel





- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded stranded sector shaped conductors
- Ideal for aggressive environmental conditions, acid and rust-resistant
- Heat resistant up to 400 °C

Characteristics

- Simple and safe processing due to butt mark
- Simple cable entry due to internal chamfer

Material

- V2A (X5CrNi18-10)

Technical instructions

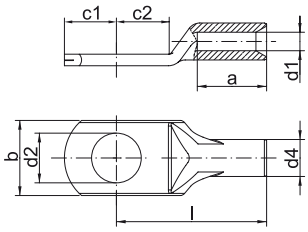
- Tool: see page 53

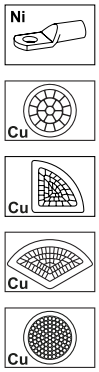
Additional information

- Also available as featured article in stainless steel V4A (X5CrNiMo17-12-2)

Nominal cross section mm²	Part No.	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l		
0.5 - 1	**79R**	1.6	3.2	25	0.135	50
1.5 - 2.5	**80R**	3.0	5.0	25	0.250	50
4 - 6	**81R**	4.0	6.0	25	0.325	50
10	**82R**	5.0	8.0	25	0.360	50
16	**83R**	6.0	8.0	30	0.510	50
25	**84R**	7.0	10.0	35	1.100	25
35	**85R**	9.0	12.0	40	1.560	25
50	**86R**	10.0	14.0	45	2.670	25
70	**87R**	12.0	16.0	50	3.400	25
95	**88R**	14.0	18.0	55	4.300	25

Tubular cable lug, Ni





- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded stranded sector shaped conductors
- Suitable for high temperatures up to 650 °C

Characteristics

- Simple and safe connection due to flat contact surfaces and internal chamfer

Material

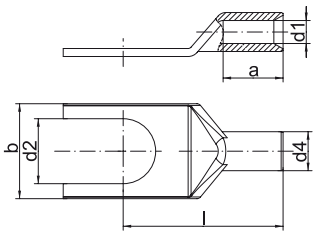
- High-grade nickel

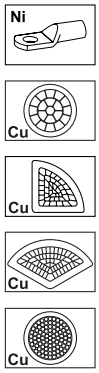
Technical instructions

- Tool: see page 53

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/ pcs
			d1	a	b	d2	d4	c1	c2	l		
0.5 - 1	M3	**56N3**	1.6	4	6.5	3.2	3.2	3.5	4.5	13	0.080	100
	M4	**56N4**	1.6	6	6.5	4.3	3.2	4.5	4.5	13	0.080	100
	M5	**56N5**	1.6	6	7.5	5.3	3.2	5.0	5.5	14	0.080	100
1.5 - 2.5	M3	**57N3**	2.3	6	7.0	3.2	3.9	3.5	5.0	13	0.105	100
	M4	**57N4**	2.3	6	7.0	4.3	3.9	4.5	5.0	13	0.105	100
	M5	**57N5**	2.3	6	7.5	5.3	3.9	5.0	5.5	14	0.105	100
	M6	**57N6**	2.3	6	9.5	6.5	3.9	6.0	6.5	16	0.130	100
4 - 6	M4	**58N4**	3.6	9	9.5	4.3	5.6	4.5	5.0	18	0.275	100
	M5	**58N5**	3.6	9	9.5	5.3	5.6	5.0	5.5	19	0.275	100
	M6	**58N6**	3.6	9	9.5	6.5	5.6	6.0	6.5	19	0.260	100
	M8	**58N8**	3.6	6	14	8.5	5.6	8.5	9.0	22	0.260	100
10	M5	**59N5**	4.5	10	12.0	5.5	6.5	5.5	6.5	21	0.340	100
	M6	**59N6**	4.5	10	12.0	6.5	6.5	6.5	7.5	22	0.360	100
16	M5	**60N5**	5.5	13	12.0	5.5	7.5	5.5	6.5	26	0.470	100
	M6	**60N6**	5.5	13	12.0	6.5	7.5	6.5	7.5	27	0.480	100
	M8	**60N8**	5.5	13	13.5	8.5	7.5	8.5	9.5	29	0.560	100
	M10	**60N10**	5.5	11	17	10.5	7.5	12.0	12.0	31	0.560	100
25	M6	**61N6**	7.0	15	14.0	6.5	10.0	7.5	7.5	30	1.200	50
	M8	**61N8**	7.0	15	16.0	8.5	10.0	10.0	10.0	32	1.320	50
	M10	**61N10**	7.0	13	17.0	10.5	10.0	12.0	12.0	34	1.320	50
35	M6	**62N6**	8.5	17	17.0	6.5	12.0	7.5	7.5	32	1.850	50
	M8	**62N8**	8.5	17	17.0	8.5	12.0	10.0	10.0	34	2.000	50
	M10	**62N10**	8.5	14.5	19.0	10.5	12.0	12.0	12.0	36	2.000	50
50	M8	**63N8**	10.0	19	20.0	8.5	14.0	10.0	10.0	37	2.900	50
	M10	**63N10**	10.0	19	20.0	10.5	14.0	12.0	12.0	39	3.100	50
70	M10	**64N10**	12.0	21	23.0	10.5	16.5	12.0	12.0	44	4.600	25
	M12	**64N12**	12.0	21	23.0	13.0	16.5	13.0	13.0	46	4.660	25
95	M10	**65N10**	13.5	25	26.0	10.5	18.0	12.0	12.0	48	5.550	25
	M12	**65N12**	13.5	25	26.0	13.0	18.0	13.0	13.0	49	5.600	25

Tubular cable lugs, Cu, fork type





- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded stranded sector shaped conductors
- Suitable for high temperatures up to 650 °C
- Simple fork-type mounting

Characteristics

- Simple and safe connection due to flat contact surfaces and internal chamfer

Material

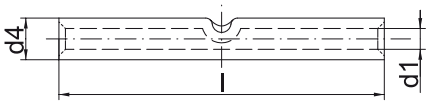
- High-grade nickel

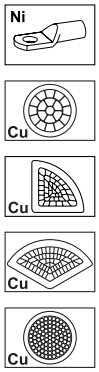
Technical instructions

- Tool: see page 53

Nominal cross section mm²	Size of bolt dia.	Part No.	Dimension mm						Weight/ 100 pcs. ~ kg	Packing unit/ pcs
			d1	a	b	d2	d4	l		
0.5 - 1	M4	**56C4**	1.6	6	6.5	4.3	3.2	13	0.070	50
	M5	**56C5**	1.6	6	7.5	5.3	3.2	14	0.075	50
1.5 - 2.5	M4	**57C4**	2.3	6	7.0	4.3	3.9	13	0.095	50
	M5	**57C5**	2.3	6	7.5	5.3	3.9	14	0.095	50
	M6	**57C6**	2.3	6	9.5	6.5	3.9	16	0.110	50
4 - 6	M4	**58C4**	3.6	9	9.5	4.3	5.6	18	0.250	50
	M5	**58C5**	3.6	9	9.5	5.3	5.6	19	0.255	50
	M6	**58C6**	3.6	9	9.5	6.5	5.6	19	0.235	50
10	M5	**59C5**	4.5	10	12.0	5.5	6.5	21	0.320	50
	M6	**59C6**	4.5	10	12.0	6.5	6.5	22	0.340	50
16	M5	**60C5**	5.5	13	12.0	5.5	7.5	26	0.440	50
	M6	**60C6**	5.5	13	12.0	6.5	7.5	27	0.450	50
	M8	**60C8**	5.5	13	13.5	8.5	7.5	29	0.520	50

Butt connectors, Ni





- For multi-stranded round conductors, e.g. to DIN EN 60228 Cl. 2
- For pre-rounded stranded sector shaped conductors
- Suitable for high temperatures to 650 °C

Characteristics

- Simple and safe processing due to butt mark
- Simple cable entry due to internal chamfer

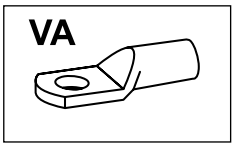
Material

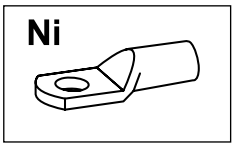
- High-grade nickel

Technical instructions

- Tool: see page 53

Nominal cross section mm²	Part No.	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l		
0.5 - 1	**62R**	1.6	3.2	25	0.135	50
1.5 - 2.5	**63R**	2.3	3.9	25	0.170	50
4 - 6	**64R**	3.6	5.6	25	0.325	50
10	**65R**	4.5	6.5	25	0.360	50
16	**66R**	5.5	7.5	30	0.510	50





Tool application chart

Tubular cable lugs and butt connectors made from stainless steel or nickel

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	0,5 - 6	K25		225		
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	0,5 - 16	K354		236	315	+
	10 - 50	K22		240	328	
Hand hydraulic crimping tools	10 - 50	HK6022		282	328	
		HK6022UNV	+UA22	465	328	
	10 - 95	HK12030		286	328	+
		HK12042		288	328	+
		HK120U		290	328	+
Battery powered crimping tools	0,5 - 16	EK354ML		250	315	+
		EK354		256	315	+
	10 - 50	EKM6022		262	328	
		EK6022		264	328	
		EK60UNV	+UA22	468	328	
		EKM60UNV	+UA22	467	328	
	10 - 95	EK12032		270	334	+
		EK12042		272	334	+
		EK120U		274	334	+
		EK120UNV	+UA12T	469	334	+
		EK135FT	+UA15T	276	334	+
Hydraulic crimping systems	10 - 50	THK22		296	328	
	10 - 95	THK120		300	334	+
Hydraulic crimping heads	10 - 50	PK22		296	328	
		PK60UNV	+UA22	466	328	
	10 - 95	PK12042		300	334	+
		PK120U		302	334	+
		PK252	+25A13	304	334	+

CONFORMITY - COPPER COMPRESSION CABLE LUGS AND CONNECTORS TO DIN

Klauke products conform not only to its own standards. But also to DIN standards with strict standardised dimensions. Our compression cable lugs and connectors range to 1000 mm^2 nominal cross-section, with standardised designations and markings. We have the quality certified by the IEC test, including our special versions.

In brief

- Standardised sizes even for special versions
- Clear markings for standardised processing
- For all conductor classes to DIN EN 60228

Tested and certified for safety

Our DIN cable lugs and connectors are strictly manufactured to standard. In addition, the test suggested in the standard has been passed with ease.

- Simple processing with DIN system
- Safety through standardised tests (IEC 61238-1)
- For all conductor classes to DIN EN 60228 and copper wires to DIN 46267-1

Every version standardised

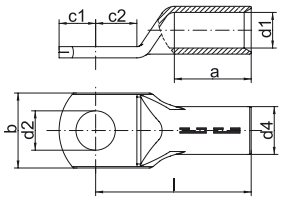
We offer cable lugs with tube dimension to DIN in numerous different forms and versions. If there happens to be no suitable connector for you, we will of course make you one to suit your needs.

- Flexible thanks to numerous versions
- Various surfaces available
- Many special versions based on the DIN standard available
- Manufactured to suit your particular requirements

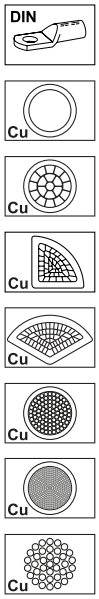
Clear markings

Where simplicity and safety are key: Every cable lug to DIN comes with the appropriate crimping instruction. Readily visible markings indicate the crimping location required to work in compliance with the standard. Code numbers on the dies and cable lugs show the correct crimp at a glance.

Compression cable lugs to DIN, Cu



IEC DNV·GL



- For round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6
- For non-tension copper cables, e.g. to DIN 48201-1
- For pre-rounded multi-stranded sector shaped conductors
- With code number for clear tool assignment
- To DIN 46235

Characteristics

- Easy to process due to crimp markings
- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 69

Additional information

- Possible as a special bright version on request. Part Number appendix „BK“
- Possible as a special version with barrier on request
- 10 - 800 mm² IEC-tested
- * = not standardised

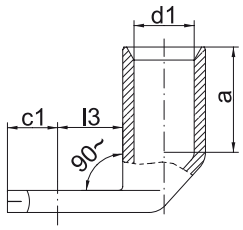
Nominal cross section mm²	Size of bolt diameter	Part No.	Hint	Code	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
					a	b	d1	d2	d4	c1	c2	l		
6	M 5	**101R5**		5	10.5	8.5	3.8	5.3	5.5	6.5	7.5	25	0.24	100
	M 6	**101R6**		5	10.5	8.5	3.8	6.4	5.5	8.0	8.5	25	0.30	100
	M 8	**101R8**	*	5	10.5	13.0	3.8	8.4	5.5	10.0	10.0	25	0.34	100
10	M 5	**102R5**		6	10.5	9.0	4.5	5.3	6.0	6.5	9.0	28	0.37	100
	M 6	**102R6**		6	10.5	9.0	4.5	6.4	6.0	8.0	9.0	28	0.36	100
	M 8	**102R8**	*	6	13.0	13.0	4.5	8.4	6.0	10.0	10.5	28	0.38	100
16	M 6	**103R6**		8	20.5	13.0	5.5	6.4	8.5	8.0	9.0	37	1.19	100
	M 8	**103R8**		8	20.5	13.0	5.5	8.4	8.5	10.5	11.0	37	1.22	100
	M 10	**103R10**		8	20.5	17.0	5.5	10.5	8.5	12.5	12.5	37	1.30	100
	M 12	**103R12**	*	8	20.5	18.5	5.5	13.0	8.5	13.0	13.0	38	1.27	100
25	M 6	**104R6**		10	20.5	14.0	7.0	6.4	10.0	8.0	9.0	39	1.51	50
	M 8	**104R8**		10	20.5	16.0	7.0	8.4	10.0	10.5	11.0	39	1.54	50
	M 10	**104R10**		10	20.5	17.0	7.0	10.5	10.0	12.5	13.0	39	1.62	50
	M 12	**104R12**		10	20.5	19.0	7.0	13.0	10.0	13.5	13.5	39	1.66	25
35	M 6	**105R6**	*	12	20.5	17.0	8.2	6.4	12.5	8.0	8.5	43	2.77	50
	M 8	**105R8**		12	20.5	17.0	8.2	8.4	12.5	10.5	10.5	43	2.85	50
	M 10	**105R10**		12	20.5	19.0	8.2	10.5	12.5	12.5	12.5	43	2.84	50
	M 12	**105R12**		12	20.5	21.0	8.2	13.0	12.5	13.5	13.5	43	2.79	50
	M 14	**105R14**	*	12	20.5	21.0	8.2	15.0	12.5	14.0	13.5	43	2.70	25

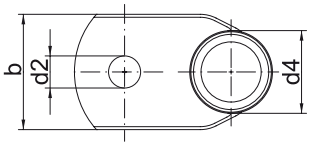
see next page

Compression cable lugs to DIN, Cu

Nominal cross section mm²	Size of bolt diameter	Part No.	Hint	Code	Dimension mm								Weight/ 100 pcs. ~ kg	Packing unit/pcs
					a	b	d1	d2	d4	c1	c2	l		
	M 8	**106R8**		14	28	20.0	10.0	8.4	14.5	10.5	11.0	53	4.46	50
	M 10	**106R10**		14	28	22.0	10.0	10.5	14.5	12.5	12.5	53	4.48	50
50	M 12	**106R12**		14	28	24.0	10.0	13.0	14.5	13.5	13.5	53	4.40	50
	M 14	**106R14**	*	14	28	24.0	10.0	15.0	14.5	14	14.5	53	4.30	25
	M 16	**106R16**		14	28	28.0	10.0	17.0	14.5	16.5	16.5	53	4.57	25
	M 8	**107R8**		16	28	24.0	11.5	8.4	16.5	10.5	10.5	56	5.92	50
	M 10	**107R10**		16	28	24.0	11.5	10.5	16.5	12.5	12.5	56	6.02	50
70	M 12	**107R12**		16	28	24.0	11.5	13.0	16.5	13.5	13.5	56	5.89	50
	M 14	**107R14**	*	16	28	24.0	11.5	15.0	16.5	14.5	13.5	55	5.80	25
	M 16	**107R16**		16	28	30.0	11.5	17.0	16.5	16.5	16.5	56	6.13	25
	M 8	**108R8**	*	18	35	28.0	13.5	8.4	19.0	12.5	12.5	66	9.21	25
	M 10	**108R10**		18	35	28.0	13.5	10.5	19.0	12.5	12.5	66	8.97	50
95	M 12	**108R12**		18	35	28.0	13.5	13.0	19.0	13.5	13.5	66	8.62	50
	M 14	**108R14**	*	18	35	28.0	13.5	15.0	19.0	13.5	14.5	66	8.78	25
	M 16	**108R16**		18	35	32.0	13.5	17.0	19.0	16.5	16.5	66	9.00	50
	M 10	**109R10**		20	35	32.0	15.5	10.5	21.0	12.5	16.0	71	11.40	50
	M 12	**109R12**		20	35	32.0	15.5	13.0	21.0	13.5	17.0	71	11.31	50
120	M 14	**109R14**	*	20	35	32.0	15.5	15.0	21.0	18.0	18.0	70	11.45	25
	M 16	**109R16**		20	35	32.0	15.5	17.0	21.0	16.5	18.0	71	11.24	50
	M 20	**109R20**		20	35	38.0	15.5	21.0	21.0	19.0	21.0	71	11.03	25
	M 10	**110R10**		22	35	34.0	17.0	10.5	23.5	12.5	15.5	79	16.38	10
	M 12	**110R12**		22	35	34.0	17.0	13.0	23.5	13.5	17.0	79	16.29	25
150	M 14	**110R14**	*	22	35	34.0	17.0	15.0	23.5	17.5	20.0	79	16.38	10
	M 16	**110R16**		22	35	34.0	17.0	17.0	23.5	16.5	20.0	79	16.17	10
	M 20	**110R20**		22	35	40.0	17.0	21.0	23.5	19.5	22.0	79	15.90	10
	M 10	**111R10**		25	40	37.0	19.0	10.5	25.5	12.5	16.5	83	18.96	10
	M 12	**111R12**		25	40	37.0	19.0	13.0	25.5	13.5	17.5	83	18.11	10
185	M 14	**111R14**	*	25	40	37.0	19.0	15.0	25.5	17.5	19.0	83	19.21	10
	M 16	**111R16**		25	40	37.0	19.0	17.0	25.5	16.5	20.0	83	18.74	25
	M 20	**111R20**		25	40	40.0	19.0	21.0	25.5	19.5	22.0	83	18.69	10
	M 12	**112R12**		28	40	42.0	21.5	13.0	29.0	13.5	18.0	93	27.00	10
240	M 14	**112R14**	*	28	40	42.0	21.5	15.0	29.0	17.5	20.0	93	27.58	10
	M 16	**112R16**		28	40	42.0	21.5	17.0	29.0	16.5	21.0	93	27.37	25
	M 20	**112R20**		28	40	45.0	21.5	21.0	29.0	19.5	23.0	93	26.88	10
	M 12	**113R12**	*	32	50	46.0	24.5	13.0	32.0	14.0	22.0	101	32.89	5
300	M 14	**113R14**	*	32	50	46.0	24.5	15.0	32.0	17.0	22.0	101	33.29	5
	M 16	**113R16**		32	50	46.0	24.5	17.0	32.0	16.5	23.0	101	32.94	5
	M 20	**113R20**		32	50	46.0	24.5	21.0	32.0	19.5	22.0	101	33.24	5
	M 14	**114R14**	*	38	70	54.0	27.5	15.0	38.5	22.5	23.0	116	69.38	5
400	M 16	**114R16**		38	70	54.0	27.5	17.0	38.5	22.5	23.0	116	68.54	5
	M 20	**114R20**		38	70	54.0	27.5	21.0	38.5	22.5	22.0	116	65.40	5
500	M 16	**115R16**	*	42	70	60.0	31.0	17.0	42.0	23.5	26.0	126	83.31	1
	M 20	**115R20**		42	70	60.0	31.0	21.0	42.0	22.5	26.0	126	81.58	1
625	M 16	**116R16**	*	44	80	64.0	34.5	17.0	44.0	23.0	26.0	137	79.60	1
	M 20	**116R20**		44	80	64.0	34.5	21.0	44.0	22.5	26.0	136	79.69	1
800	M 16	**117R16**	*	52	100	75.0	40.0	17.0	52.0	30.0	30.0	166	150.00	1
	M 20	**117R20**		52	100	75.0	40.0	21.0	52.0	22.5	30.0	166	149.00	1
1000	M 16	**118R16**	*	58	100	83.0	44.0	17.0	58.0	30.0	30.0	166	199.00	1
	M 20	**118R20**		58	100	83.0	44.0	21.0	58.0	30.0	30.0	166	195.00	1

Angled compression cable lugs, Cu, 90° angled





- For round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6
- For non-tension copper cables, e.g. to DIN 48201-1
- For pre-rounded multi-stranded sector shaped conductors
- Tube dimensions according to DIN 46235
- With code number for clear tool assignment

Characteristics
- With crimp markings for correct crimp positioning
- Simple and safe connection due to flat contact surfaces and internal chamfer
- Annealed material optimises material and crimping properties

Material
- Copper (EN13600)

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 69

Additional information
- Possible as a special bright version on request. Part Number appendix „BK“
- 10 - 240 mm² IEC-tested

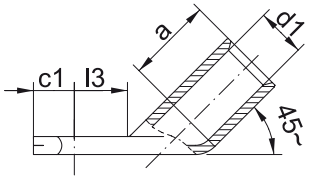
Nominal cross section mm²	Size of bolt diameter	Part No.	Code	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	d4	c1	l3		
6	M 5	**161R5**	5	10.5	8.5	3.8	5.3	5.5	6.5	9	0.28	50
	M 6	**161R6**	5	10.5	8.5	3.8	6.4	5.5	8.0	10	0.32	50
10	M 5	**162R5**	6	10.5	9.0	4.5	5.3	6.0	6.5	10	0.34	50
	M 6	**162R6**	6	10.5	9.0	4.5	6.4	6.0	8.0	10	0.35	50
	M 8	**162R8**	6	10.5	13.0	4.5	8.4	6.0	10.0	13	0.37	50
16	M 6	**163R6**	8	20.5	13.0	5.5	6.4	8.5	8.0	11	1.20	50
	M 8	**163R8**	8	20.5	13.0	5.5	8.4	8.5	10.5	13	1.30	50
	M 10	**163R10**	8	20.5	17.0	5.5	10.5	8.5	12.5	15	1.40	50
	M 12	**163R12**	8	20.5	18.5	5.5	13.0	8.5	13.0	18	1.33	50
25	M 6	**164R6**	10	20.5	14.0	7.0	6.4	10.0	8.0	11	1.54	25
	M 8	**164R8**	10	20.5	16.0	7.0	8.4	10.0	10.5	13	1.60	25
	M 10	**164R10**	10	20.5	17.0	7.0	10.5	10.0	12.5	15	1.63	25
	M 12	**164R12**	10	20.5	19.0	7.0	13.0	10.0	13.5	18	1.70	25
35	M 8	**165R8**	12	20.5	17.0	8.2	8.4	12.5	10.5	13	2.72	25
	M 10	**165R10**	12	20.5	19.0	8.2	10.5	12.5	12.5	15	2.76	25
	M 12	**165R12**	12	20.5	21.0	8.2	13.0	12.5	13.5	18	2.85	25
	M 14	**165R14**	12	20.5	21.0	8.2	15.0	12.5	14.0	20	2.92	25
50	M 8	**166R8**	14	29.0	20.0	10.0	8.4	14.5	10.5	13	4.39	25
	M 10	**166R10**	14	29.0	22.0	10.0	10.5	14.5	12.5	16	4.46	25
	M 12	**166R12**	14	29.0	24.0	10.0	13.0	14.5	13.5	18	4.49	25
	M 14	**166R14**	14	29.0	24.0	10.0	15.0	14.5	14.0	20	4.73	25
	M 16	**166R16**	14	29.0	28.0	10.0	17.0	14.5	16.5	22	4.66	25

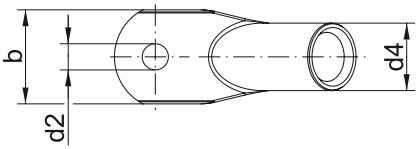
see next page

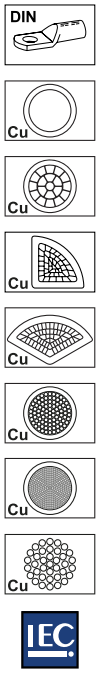
Angled compression cable lugs, Cu, 90° angled

Nominal cross section mm²	Size of bolt diameter	Part No.	Code	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	d4	c1	l3		
70	M 8	**167R8**	16	29.0	24.0	11.5	8.4	16.5	10.5	14	5.92	25
	M 10	**167R10**	16	29.0	24.0	11.5	10.5	16.5	12.5	16	6.31	25
	M 12	**167R12**	16	29.0	24.0	11.5	13.0	16.5	13.5	18	6.34	25
	M 14	**167R14**	16	29.0	24.0	11.5	15.0	16.5	14.5	20	6.50	25
	M 16	**167R16**	16	29.0	30.0	11.5	17.0	16.5	16.5	22	6.63	25
95	M 10	**168R10**	18	36.0	28.0	13.5	10.5	19.0	12.5	17	9.03	25
	M 12	**168R12**	18	36.0	28.0	13.5	13.0	19.0	13.5	18	9.27	25
	M 14	**168R14**	18	36.0	28.0	13.5	15.0	19.0	13.5	20	9.06	25
	M 16	**168R16**	18	36.0	32.0	13.5	17.0	19.0	16.5	22	9.18	25
120	M 10	**169R10**	20	36.0	32.0	15.5	10.5	21.0	12.5	17	10.41	10
	M 12	**169R12**	20	36.0	32.0	15.5	13.0	21.0	13.5	18	10.65	10
	M 14	**169R14**	20	36.0	32.0	15.5	15.0	21.0	18.0	20	10.75	10
	M 16	**169R16**	20	36.0	32.0	15.5	17.0	21.0	16.5	22	10.72	10
	M 20	**169R20**	20	36.0	38.0	15.5	21.0	21.0	19.5	24	11.00	10
150	M 10	**170R10**	22	36.0	34.0	17.0	10.5	23.5	12.5	17	14.18	10
	M 12	**170R12**	22	36.0	34.0	17.0	13.0	23.5	13.5	18	14.33	10
	M 14	**170R14**	22	36.0	34.0	17.0	15.0	23.5	17.5	20	15.60	10
	M 16	**170R16**	22	36.0	34.0	17.0	17.0	23.5	16.5	22	15.24	10
	M 20	**170R20**	22	36.0	40.0	17.0	21.0	23.5	19.5	24	15.70	10
185	M 10	**171R10**	25	41.0	37.0	19.0	10.5	25.5	12.5	22	18.60	10
	M 12	**171R12**	25	41.0	37.0	19.0	13.0	25.5	13.5	22	18.69	10
	M 14	**171R14**	25	41.0	37.0	19.0	15.0	25.5	17.5	22	19.10	10
	M 16	**171R16**	25	41.0	37.0	19.0	17.0	25.5	16.5	22	19.00	10
	M 20	**171R20**	25	41.0	40.0	19.0	21.0	25.5	19.5	24	18.72	10
240	M 12	**172R12**	28	41.0	42.0	21.5	13.0	29.0	13.5	22	25.09	10
	M 14	**172R14**	28	41.0	42.0	21.5	15.0	29.0	17.5	22	25.70	10
	M 16	**172R16**	28	46.0	42.0	21.5	17.0	29.0	16.5	22	24.96	10
	M 20	**172R20**	28	46.0	45.0	21.5	21.0	29.0	19.5	24	25.26	10

Angled compression cable lugs, Cu, 45° angled







- For round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6
- For non-tension copper cables, e.g. to DIN 48201-1
- For pre-rounded multi-stranded sector shaped conductors
- Tube dimensions according to DIN 46235
- With code number for clear tool assignment

Characteristics

- Flat contact surface by special angle pressing process
- Easy to process due to crimp markings
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“
- Tool: see page 69

Additional information

- Possible as a special bright version on request. Part Number appendix „BK“
- 10 - 240 mm² IEC-tested

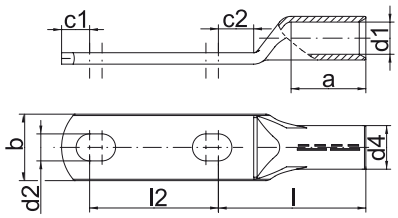
Nominal cross section mm²	Size of bolt diameter	Part No.	Code	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	d4	c1	l3		
6	M 5	**161R545**	5	10,5	8,5	3,8	5,3	5,5	6,5	9	0,32	50
	M 6	**161R645**	5	10,5	8,5	3,8	6,4	5,5	8,0	10	0,34	50
10	M 5	**162R545**	6	10,5	9,0	4,5	5,3	6,0	6,5	10	0,36	50
	M 6	**162R645**	6	10,5	9,0	4,5	6,4	6,0	8,0	10	0,35	50
	M 8	**162R845**	6	10,5	13,0	4,5	8,4	6,0	10,0	13	0,39	50
16	M 6	**163R645**	8	20,5	13,0	5,5	6,4	8,5	8,0	11	1,20	50
	M 8	**163R845**	8	20,5	13,0	5,5	8,4	8,5	10,5	13	0,28	50
	M 10	**163R1045**	8	20,5	17,0	5,5	10,5	8,5	12,5	15	1,34	50
	M 12	**163R1245**	8	20,5	18,0	5,5	13,0	8,5	13,0	18	1,35	50
25	M 6	**164R645**	10	20,5	14,0	7,0	6,4	10,0	8,0	11	1,49	25
	M 8	**164R845**	10	20,5	16,0	7,0	8,4	10,0	10,5	13	1,60	25
	M 10	**164R1045**	10	20,5	17,0	7,0	10,5	10,0	12,5	15	1,64	25
	M 12	**164R1245**	10	20,5	19,0	7,0	13,0	10,0	13,5	18	1,73	25
35	M 8	**165R845**	12	20,5	17,0	8,2	8,4	12,5	10,5	13	2,72	25
	M 10	**165R1045**	12	20,5	19,0	8,2	10,5	12,5	12,5	15	2,92	25
	M 12	**165R1245**	12	20,5	21,0	8,2	13,0	12,5	13,5	18	2,98	25
50	M 8	**166R845**	14	29,0	20,0	10,0	8,4	14,5	10,5	13	4,63	25
	M 10	**166R1045**	14	29,0	22,0	10,0	10,5	14,5	12,5	16	4,84	25
	M 12	**166R1245**	14	29,0	24,0	10,0	13,0	14,5	13,5	18	4,94	25
	M 14	**166R1445**	14	29,0	24,0	10,0	15,0	14,5	14,0	20	4,96	25
	M 16	**166R1645**	14	29,0	28,0	10,0	17,0	14,5	16,5	22	4,92	25

see next page

Angled compression cable lugs, Cu, 45° angled

Nominal cross section mm²	Size of bolt diameter	Part No.	Code	Dimension mm							Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	d4	c1	l3		
70	M 8	**167R845**	16	29.0	24.0	11.5	8.4	16.5	10.5	14	6.40	25
	M 10	**167R1045**	16	29.0	24.0	11.5	10.5	16.5	12.5	16	6.76	25
	M 12	**167R1245**	16	29.0	24.0	11.5	13.0	16.5	13.5	18	6.90	25
	M 14	**167R1445**	16	29.0	24.0	11.5	15.0	16.5	14.5	20	6.72	25
95	M 10	**168R1045**	18	36.0	28.0	13.5	10.5	19.0	12.5	17	9.64	25
	M 12	**168R1245**	18	36.0	28.0	13.5	13.0	19.0	13.5	18	9.21	25
	M 14	**168R1445**	18	36.0	28.0	13.5	15.0	19.0	13.5	20	9.51	25
	M 16	**168R1645**	18	36.0	32.0	13.5	17.0	19.0	16.5	22	9.40	25
120	M 10	**169R1045**	20	36.0	32.0	15.5	10.5	21.0	12.5	17	11.09	10
	M 12	**169R1245**	20	36.0	32.0	15.5	13.0	21.0	13.5	18	11.45	10
	M 14	**169R1445**	20	36.0	32.0	15.5	15.0	21.0	18.0	20	11.55	10
	M 16	**169R1645**	20	36.0	32.0	15.5	17.0	21.0	16.5	22	11.76	10
	M 20	**169R2045**	20	36.0	38.0	15.5	21.0	21.0	19.5	24	11.55	10
150	M 10	**170R1045**	22	36.0	34.0	17.0	10.5	23.5	12.5	17	15.93	10
	M 12	**170R1245**	22	36.0	34.0	17.0	13.0	23.5	13.5	18	16.08	10
	M 14	**170R1445**	22	36.0	34.0	17.0	15.0	23.5	17.5	20	16.38	10
	M 16	**170R1645**	22	36.0	34.0	17.0	17.0	23.5	16.5	22	16.90	10
	M 20	**170R2045**	22	40.0	40.0	17.0	21.0	23.5	19.5	24	16.49	10
185	M 10	**171R1045**	25	41.0	37.0	19.0	10.5	25.5	12.5	22	20.16	10
	M 12	**171R1245**	25	41.0	37.0	19.0	13.0	25.5	13.5	22	19.60	10
	M 14	**171R1445**	25	41.0	37.0	19.0	15.0	25.5	17.5	22	20.05	10
	M 16	**171R1645**	25	41.0	37.0	19.0	17.0	25.5	16.5	22	19.68	10
	M 20	**171R2045**	25	41.0	40.0	19.0	21.0	25.5	19.5	24	19.95	10
240	M 12	**172R1245**	28	47.0	42.0	21.5	13.0	29.0	13.5	22	26.46	10
	M 14	**172R1445**	28	46.0	42.0	21.5	15.0	29.0	17.5	22	26.99	10
	M 16	**172R1645**	28	46.0	42.0	21.5	17.0	29.0	16.5	22	26.92	10

Compression cable lugs to DIN special type, Cu with 2 holes



- For round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6
- For non-tension copper cables, e.g. to DIN 48201-1
- For pre-rounded sector shaped conductors
- Tube dimensions according to DIN 46235
- With code number for clear tool assignment

Characteristics

- Easy to process due to crimp markings
- Annealed material optimises material and crimping properties
- Flat contact surface by special pressing technique
- Internal chamfer for simple cable insertion

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

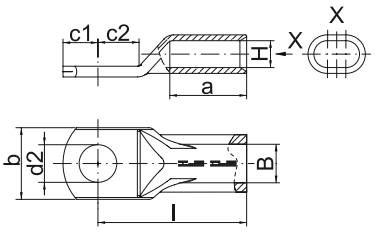
- Tool: see page 69

Additional information

- Part Number appendix for bright version „BK“

Nominal cross section mm²	Size of bolt diameter	Part No.	Code	Dimension mm									Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	d4	c1	c2	l	l2		
70	2 x M 12	**147D212**	16	29.0	24	11.5	13	16.5	13.5	13.5	56	50 - 62	10.82	5
95		**148D212**	18	36.0	28	13.5	13	19.0	13.5	13.5	66	50 - 62	15.24	5
120		**149D212**	20	36.0	32	15.5	13	21.0	13.5	17.0	70	50 - 62	18.62	5
150		**150D212**	22	42.0	34	17.0	13	23.5	13.5	17.0	78	50 - 62	26.10	5
185		**151D212**	25	41.0	37	19.0	13	25.5	13.5	17.5	82	50 - 62	30.48	5
240		**152D212**	28	47.0	42	21.5	13	29.0	13.5	18.0	92	50 - 62	41.52	5

Compression cable lugs, special type, Cu with 1 hole, double crimping



- Special design for mounting of 2 multi-stranded cables, e.g. to DIN EN 60228 Cl. 2
- With crimp markings for correct crimp positioning

Characteristics

- Annealed material optimises material and crimping properties
- Simple and safe connection due to flat contact surfaces and internal chamfer

Material

- Copper (EN13600)

Surface

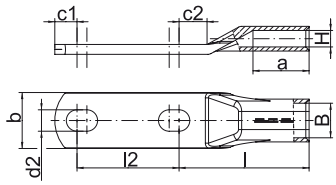
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 70

Nominal cross section mm²	Size of bolt diameter	Part No.	Code	Dimension mm						H	B	Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d2	c1	c2	l				
2 x 50	M 12	**136DP12**	22 DP	42	34	13	13.5	17.0	79	10.0	20	16.30	5
2 x 70		**137DP12**	24 DP	41	37	13	13.5	17.5	83	11.5	23	18.90	5
2 x 95		**138DP12**	29 DP	47	42	13	13.5	18.0	93	13.5	27	27.12	5
2 x 120		**139DP12**	32 DP	52	46	13	14.0	22.0	101	15.5	31	33.50	5

Compression cable lugs, special type, Cu with 2 long holes, double crimping



- Special design for mounting of 2 multi-stranded cables, e.g. to DIN EN 60228 Cl. 2
- With crimp markings for correct crimp positioning

Characteristics

- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer
- Flat contact surface by special pressing technique

Material

- Copper (EN13600)

Surface

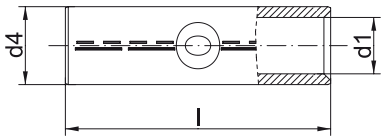
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 70

Nominal cross section mm²	Size of bolt diameter	Part No.	Code	Dimension mm							H	B	Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d2	c1	c2	l	l2				
2 x 50	2 x M 12	**136DP212**	22 DP	42	34	13	13.5	17.0	79	50 - 62	10.0	20	23.20	5
2 x 70		**137DP212**	24 DP	42	34	13	13.5	17.0	79	50 - 62	11.5	23	29.64	5
2 x 95		**138DP212**	29 DP	47	42	13	13.5	18.0	93	50 - 62	13.5	27	38.50	5
2 x 120		**139DP212**	32 DP	52	46	13	19.0	22.0	101	50 - 62	15.5	31	45.80	5

Compression joints to DIN, Cu



- For round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6 and pre-rounded sector shaped conductors
- For non-tension copper cables, e.g. to DIN 48201-1
- To DIN 46267, Part 1
- With code number for clear tool assignment
- With crimp markings for correct crimp positioning

Characteristics

- Simple and safe processing due to butt mark
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

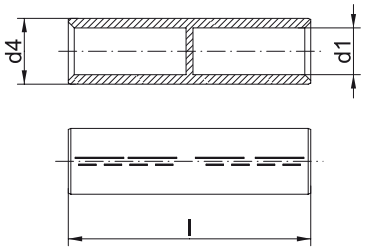
- Tool: see page 69
- Reduction sleeves for connecting unequal cross-sections can be found on page 68

Additional information

- Possible as a special bright version on request. Part Number appendix „BK“
- 10 - 800 mm² IEC-tested

Nominal cross section mm²	Part No.	Code	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	d4	l		
6	**121R**	5	3.8	5.5	30	0.31	100
10	**122R**	6	4.5	6.0	30	0.34	100
16	**123R**	8	5.5	8.5	50	1.45	100
25	**124R**	10	7.0	10.0	50	1.77	50
35	**125R**	12	8.2	12.5	50	2.89	50
50	**126R**	14	10.0	14.5	56	4.26	50
70	**127R**	16	11.5	16.5	56	5.41	50
95	**128R**	18	13.5	19.0	70	8.62	25
120	**129R**	20	15.5	21.0	70	9.66	25
150	**130R**	22	17.0	23.5	80	14.50	10
185	**131R**	25	19.0	25.5	85	17.00	10
240	**132R**	28	21.5	29.0	90	23.41	10
300	**133R**	32	24.5	32.0	100	29.23	5
400	**134R**	38	27.5	38.5	150	74.32	5
500	**135R**	42	31.0	42.0	160	89.09	1
625	**136R**	44	34.5	44.0	160	79.10	1
800	**137R**	52	40.0	52.0	200	151.00	1
1000	**138R**	58	44.0	58.0	200	198.00	1

Compression joints, Cu



- For round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6 and pre-rounded sector shaped conductors
- For non-tension copper cables, e.g. to DIN 48201-1
- Barrier design with oil stop
- Tube dimension to DIN 46267, part 1
- With code number for clear tool assignment

Characteristics

- Easy to process due to crimp markings
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Suitable for

- Non-tension connections

Material

- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

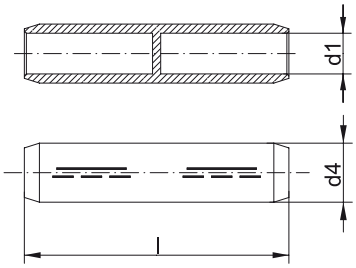
- Tool: see page 69
- Reduction sleeves for connecting unequal cross-sections can be found on page 68

Additional information

- Part Number appendix for bright version „BK“

Nominal cross section mm²	Part No.	Code	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	d4	l		
16	**523R**	8	5.5	8.5	50	1.54	25
25	**524R**	10	7.0	10.0	50	1.84	25
35	**525R**	12	8.2	12.5	50	2.99	25
50	**526R**	14	10.0	14.5	56	4.46	25
70	**527R**	16	11.5	16.5	56	5.61	25
95	**528R**	18	13.5	19.0	70	8.88	25
120	**529R**	20	15.5	21.0	70	10.06	5
150	**530R**	22	17.0	23.5	80	14.89	5
185	**531R**	25	19.0	25.5	85	17.57	5
240	**532R**	28	21.5	29.0	90	24.23	5
300	**533R**	32	24.5	32.0	100	30.15	5
400	**534R**	38	27.5	38.5	150	75.60	5
500	**535R**	42	31.0	42.0	160	92.00	1

Compression joint for cable connections 10 - 30 kV, copper



- For round conductors, e.g. to DIN EN 60228 Cl. 2 and pre-rounded sector shaped conductors
- For non-tension copper cables, e.g. to DIN 48201-1
- Tube dimension to DIN 46267, part 1
- For copper medium-voltage cable connections 10 - 30 kV
- With chamfered edges for reduced electrical stress in the assembly

Characteristics
- Also available as barrier design with oil stop
- Easy to process due to crimp markings
- Annealed material optimises material and crimping properties
- Simple cable entry due to internal chamfer

Suitable for
- Non-tension connections

Material
- Copper (EN13600)

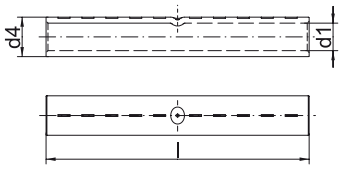
Surface
- Bright

Technical instructions
- Tool: see page 69
- Reduction sleeves for connecting unequal cross-sections can be found on page 68

Additional information
- Possible as a special bright version on request. Part Number appendix „BK“

Nominal cross section mm²	Part No.	Code	Dimension mm			Number of crimps		Weight/ 100 pcs. ~ kg	Packing unit/ pcs
			d1	d4	l	Cu (5 mm)	Cu (wide)		
Normalversion									
25	**504R**	12	7.5	12.5	60	2/2	1/1	4.08	10
35	**505R**	12	8.2	12.5	60	2/2	1/1	3.56	10
50	**506R**	14	10.0	14.5	65	3/3	1/1	4.90	10
70	**507R**	16	11.5	16.5	65	3/3	1/1	6.10	10
95	**508R**	18	13.5	19	90	4/4	2/2	10.98	10
120	**509R**	20	15.5	21	90	4/4	2/2	12.68	5
150	**510R**	22	17.0	23.5	105	4/4	2/2	18.09	5
185	**511R**	25	19.0	25.5	105	4/4	2/2	20.35	5
240	**512R**	28	21.5	29	125		2/2	31.64	5
300	**513R**	32	24.5	32	125		2/2	35.40	1
400	**514R**	38	27.5	38.5	160		3/3	75.42	1
Barrier version									
25	**504RLD**	12	7.5	12.5	60	2/2	1/1	4.08	25
35	**505RLD**	12	8.2	12.5	60	2/2	1/1	3.56	10
50	**506RLD**	14	10.0	14.5	65	3/3	1/1	4.90	10
70	**507RLD**	16	11.5	16.5	65	3/3	1/1	6.40	10
95	**508RLD**	18	13.5	19	90	4/4	2/2	10.98	10
120	**509RLD**	20	15.5	21	90	4/4	2/2	12.68	5
150	**510RLD**	22	17.0	23.5	105	4/4	2/2	18.84	5
185	**511RLD**	25	19.0	25.5	105	4/4	2/2	20.35	5
240	**512RLD**	28	21.5	29	125		2/2	31.64	5
300	**513RLD**	32	24.5	32	125		2/2	35.40	1
400	**514RLD**	38	27.5	38.5	160		3/3	75.42	1

Compression joints to DIN, Cu



- For connecting copper cables to DIN 48201, Part 1
- For full tension cable connections
- To DIN 48085, Part 1
- With code number for clear tool assignment
- With crimp markings for correct crimping

Characteristics

- Easy to process due to crimp markings
- Simple and safe processing due to butt mark
- Simple cable entry due to internal chamfer

Material

- Copper (EN13600)

Surface

- Bright

Technical instructions

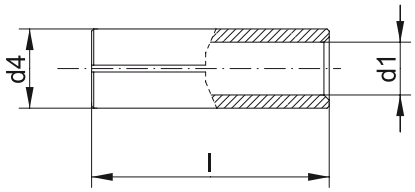
- To process item 192R use crimping die HAD45240
- Tool: see page 69

Additional information

- * = not standardised
- 16 - 70 mm² IEC-tested

Nominal cross section mm²	Part No.	Hint	Code	Dimension mm			Number of crimps		conductor dia. mm	Weight/ 100 pcs. ~ kg	Packing unit/pcs
				d1	d4	l	Cu (5 mm)	Cu (wide)			
6	**181R**	*	6	3.5	6.5	65	4/4		3.00	1.4	10
10	**182R**		8	4.5	8.5	80	5/5		4.05	3.0	10
16	**183R**		8	5.5	8.5	95	5/5		5.10	2.8	10
25	**184R**		10	7.0	10.0	95	5/5		6.30	3.4	10
35	**185R**		12	8.2	12.5	95	5/5		7.50	5.6	10
50	**186R**		14	10.0	14.5	110	5/5		9.00	8.6	10
70	**187R**		16	11.5	16.5	110	5/5		10.50	10.8	10
95	**188R**		20	13.5	21.0	145	8/8	4/4	12.50	26.2	10
120	**189R**		22	15.0	23.5	160	8/8	4/4	14.00	36.8	10
150	**190R**		25	16.5	25.5	180	8/8	4/4	15.70	47.5	5
185	**191R**	*	32	18.5	31.5	260		5/5	17.50	118.0	5
240	**192R**	*	34	21.0	34.5	310		6/6	20.20	163.0	5
300	**193R**	*	38	23.5	38.5	360		7/7	22.50	235.0	1

Reduction sleeves, Cu



- For multi-stranded, round conductors e.g. to DIN EN 60228 Cl. 2
- For non-tension copper cables, e.g. to DIN 48201-1
- For connecting different conductor cross-sections
- For use in DIN compression joints and connectors, standard type

Characteristics
- Simple cable entry due to internal chamfer

Suitable for
- For non-tension compression joints

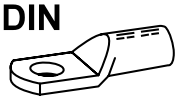
Material
- Copper (EN13600)

Surface
- Bright

Technical instructions
- Refer to the installation instructions in the technical appendix on page i-7

Part No.	Nominal cross section mm² from	Nominal cross section mm² to	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
			d1	d4	l		
RH2510	25	10	4.6	6.6	25	0.358	25
RH2516	25	16	5.5	6.6	25	0.350	25
RH3510	35	10	4.5	8.0	25	0.707	25
RH3516	35	16	5.5	8.0	25	0.570	25
RH3525	35	25	7.0	8.0	25	0.253	25
RH5016	50	16	5.5	9.5	33	1.326	25
RH5025	50	25	7.0	9.5	33	0.923	25
RH5035	50	35	8.5	9.5	33	0.404	25
RH7025	70	25	7.0	11.0	33	1.580	25
RH7035	70	35	8.5	11.0	33	1.102	25
RH7050	70	50	10.0	11.0	33	0.486	25
RH9535	95	35	8.5	13.0	45	2.940	25
RH9550	95	50	10.0	13.0	45	2.136	25
RH9570	95	70	11.5	13.0	45	1.100	25
RH12050	120	50	10.0	15.0	45	3.802	25
RH12070	120	70	11.5	15.0	45	2.874	25
RH12095	120	95	13.5	15.0	45	1.340	25
RH15070	150	70	11.5	16.5	53	5.008	5
RH15095	150	95	13.5	16.5	53	3.212	5
RH150120	150	120	15.5	16.5	53	1.248	5
RH18595	185	95	13.5	18.5	53	5.824	5
RH185120	185	120	15.5	18.5	53	3.756	5
RH185150	185	150	17.0	18.5	53	1.660	5
RH240120	240	120	15.5	21.0	55	7.412	5
RH240150	240	150	17.0	21.0	55	5.740	5
RH240185	240	185	19.0	21.0	55	3.036	5
RH300150	300	150	17.0	24.0	58	11.200	5
RH300185	300	185	19.0	24.0	58	8.390	5
RH300240	300	240	21.5	24.0	58	4.526	5
RH400240	400	240	21.5	27.0	80	14.270	5
RH400300	400	300	24.5	27.0	80	8.800	5

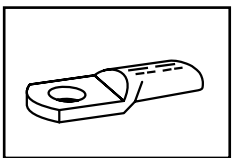
DIN



Tool application chart

Compression cable lugs and compression joints

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	6 - 50	K05D		230		⬡
	6 - 120	K06D		231		⬡
	25 - 150	K09D		233		⬡
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	6 - 25	K50		235	312	⬡
		EK50ML		244	312	⬡
	6 - 120	K354		236	316	⬡
	6 - 185	K18		238	324	⬡
	6 - 300	K22		240	329	⬡
Hand hydraulic crimping tools	6 - 185	HK6018		280	324	⬡
		HK60UNV	+UA18	465	324	⬡
	6 - 300	HK6022		282	329	⬡
		HK60UNV	+UA22	465	329	⬡
	10 - 300	HK12030		286	334	⬡
		HK12042		288	334	⬡
		HK120U		290	334	⬡
	120 - 1000	HK45		309	342	⬡
Battery powered crimping tools	6 - 120	EK354ML		250	316	⬡
		EK354		256	316	⬡
	6 - 185	EK505		258	320	⬡
		EK5018		260	324	⬡
		EK60UNV	+UA18	468	324	⬡
		EKM60UNV	+UA18	467	324	⬡
	6 - 300	EK6022		264	329	⬡
		EKM6022		262	329	⬡
		EK60UNV	+UA22	468	329	⬡
		EKM60UNV	+UA22	467	329	⬡
	10 - 300	EK12032		270	334	⬡
		EK12042		272	334	⬡
		EK120U		274	334	⬡
		EK120UNV	+UA12T	469	334	⬡
		EK135FT	+UA15T	276	334	⬡
	400 - 625	EK135FT		276	338	⬡
Hydraulic crimping systems	6 - 185	THK18		294	324	⬡
	6 - 300	THK22		296	329	⬡
	10 - 625	HK252	+25A13	308	334+339	⬡
Hydraulic crimping heads	6 - 185	PK18		294	324	⬡
		PK60UNV	+UA18	466	324	⬡
	6 - 300	PK22		296	329	⬡
		PK60UNV	+UA22	466	329	⬡
	10 - 300	PK12042		300	334	⬡
		PK120U		302	334	⬡
	10 - 625	PK252	+25A13	304	334+339	⬡
	120 - 1000	PK45		306	342	⬡



Tool application chart

Double compression cable lugs

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	**2x50 - 2x70**	K22		240	329	⬭
Hand hydraulic crimping tools	**2x50 - 2x70**	HK6022		282	329	⬭
		HK60UNV	+UA22	465	329	⬭
	2x50 - 2x120	HK12030		286	334	⬭
		HK12042		288	334	⬭
		HK120U		290	334	⬭
Battery powered crimping tools	**2x50 - 2x70**	EK6022		264	329	⬭
		EKM6022		262	329	⬭
		EK60UNV	+UA22	468	329	⬭
		EKM60UNV	+UA22	467	329	⬭
	2x50 - 2x120	EK12032		270	334	⬭
		EK12042		272	334	⬭
		EK120U		274	334	⬭
		EK135FT	+UA15T	276	334	⬭
		EK120UNV	+UA12T	469	334	⬭
Hydraulic crimping systems	**2x50 - 2x70**	THK22		296	329	⬭
	2x50 - 2x120	TH120		300	334	⬭
		HK252	+25A13	308	334	⬭
Hydraulic crimping heads	**2x50 - 2x70**	PK22		296	329	⬭
		PK60UNV	+UA22	466	329	⬭
	2x50 - 2x120	PK12042		300	334	⬭
		PK120U		302	334	⬭
	2x50 - 2x120	PK252	+25A13	308	334	⬭

PUNCHED - SOLDERLESS TERMINALS MADE FROM COPPER TO DIN 46234

Unlike the tubular cable lugs, Klauke solderless terminals are punched from a sheet, bent and then hard soldered in the crimp area. The grooved profile on the inside ensures higher conductor pull-out values. This product's small dimensions make it the ideal solution for confined areas.

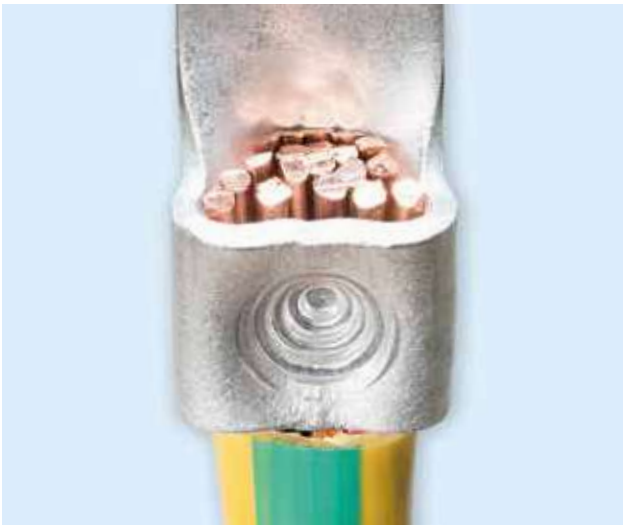
In brief

- Reliable crimping due to high-quality solder seam
- Small dimensions for confined areas
- Suitable for multi-stranded, fine-stranded and superfine-stranded conductors

Hard soldered for reliable contact

The quality of Klauke cable lugs is also evident during the crimping operation: The solderless terminal always remains intact due to the high-quality solder seam. Guaranteed quality.

- Reliable contact due to high-quality solder seam and tinning
- Best possible contacting with ribbed profile
- Optimum solution for confined areas thanks to highly-compact dimensions
- Insulated and non-insulated versions

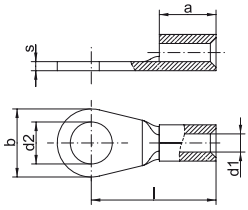


Well insulated

Klauke products make your day-to-day work easier. Thanks to the widened insulation, the conductor can be very conveniently inserted into our insulated solderless terminals. The insulation remains intact even after crimping, eliminating the need for retrospective insulation. Everything accomplished in one operation.

- Easy to use thanks to widened sleeve
- No additional insulation, hence fast processing
- As a fork-type, ideal for connecting meters in confined areas for example
- Easy conductor insertion thanks to widened sleeve

Solderless terminals to DIN, Cu



- For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- To DIN 46234
- High-quality brazing process in the crimp area

Characteristics
- Improved contact properties due to grooved profile

Material
- Copper (EN13599)

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 82

Additional information
- * = not standardised
- 0.5 - 6 mm² not UL-tested

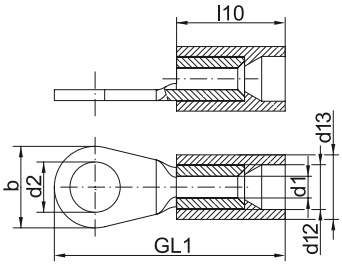
Nominal cross section mm²	Nominal size to DIN	Part No.	Hint	Dimension mm						Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	l	s		
0.5 - 1	2.5 - 1	**162025**		5	6	1.6	2.8	11	0.8	0.060	100
	3 - 1	**16203**		5	6	1.6	3.2	11	0.8	0.060	100
	3.5 - 1	**162035**		5	6	1.6	3.7	11	0.8	0.055	100
	4 - 1	**16204**		5	8	1.6	4.3	12	0.8	0.070	100
	5 - 1	**16205**		5	10	1.6	5.3	13	0.8	0.090	100
	6 - 1	**16206**	*	5	11	1.6	6.5	15	0.8	0.080	100
	8 - 1	**16208**	*	5	14	1.6	8.4	17	0.8	0.130	100
	10 - 1	**162010**	*	5	18	1.6	10.5	19	0.8	0.130	100
1.5 - 2.5	3 - 2.5	**16303**		5	6	2.3	3.2	11	0.8	0.065	100
	4 - 2.5	**16304**		5	8	2.3	4.3	12	0.8	0.080	100
	3.5 - 2.5	**163035**		5	6	2.3	3.7	11	0.8	0.065	100
	5 - 2.5	**16305**		5	10	2.3	5.3	14	0.8	0.090	100
	6 - 2.5	**16306**		5	11	2.3	6.5	16	0.8	0.110	100
	8 - 2.5	**16308**		5	14	2.3	8.4	17	0.8	0.130	100
	10 - 2.5	**163010**	*	5	18	2.3	10.5	19	0.8	0.160	100
	12 - 2.5	**163012**	*	5	18	2.3	12,5	19	0.8	0.160	100
4 - 6	4 - 6	**16504**		6	8	3.6	4.3	14	1.0	0.140	100
	5 - 6	**16505**		6	10	3.6	5.3	15	1.0	0.160	100
	6 - 6	**16506**		6	11	3.6	6.5	16	1.0	0.170	100
	8 - 6	**16508**		6	14	3.6	8.4	19	1.0	0.220	100
	10 - 6	**165010**		6	18	3.6	10.5	21	1.0	0.290	100
	12 - 6	**165012**	*	6	18	3.6	13.0	21	1.0	0.280	100
10	5 - 10	**16525**		8	10	4.5	5.3	16	1.1	0.230	100
	6 - 10	**16526**		8	11	4.5	6.5	17	1.1	0.24	100
	8 - 10	**16528**		8	14	4.5	8.4	20	1.1	0.340	100
	10 - 10	**165210**		8	18	4.5	10.5	21	1.1	0.340	100
	12 - 10	**165212**		8	22	4.5	13.0	23	1.1	0.420	100
16	5 - 16	**16535**		10	11	5.8	5.3	20	1.2	0.390	100
	6 - 16	**16536**		10	11	5.8	6.5	20	1.2	0.380	100
	8 - 16	**16538**		10	14	5.8	8.4	22	1.2	0.43	100
	10 - 16	**165310**		10	18	5.8	10.5	24	1.2	0.500	100
	12 - 16	**165312**		10	22	5.8	13.0	24	1.2	0.500	100

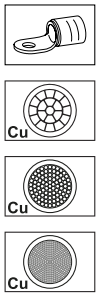
see next page

Solderless terminals to DIN, Cu

Nominal cross section mm²	Nominal size to DIN	Part No.	Hint	Dimension mm						Weight/ 100 pcs. ~ kg	Packing unit/pcs
				a	b	d1	d2	l	s		
25	5 - 25	**16545**		11	12	7.5	5.3	25	1.5	0.750	100
	6 - 25	**16546**		11	12	7.5	6.5	25	1.5	0.750	100
	8 - 25	**16548**		11	16	7.5	8.4	25	1.5	0.750	100
	10 - 25	**165410**		11	18	7.5	10.5	26	1.5	0.750	100
	12 - 25	**165412**		11	22	7.5	13.0	31	1.5	0.920	100
	16 - 25	**165416**		11	28	7.5	17.0	35	1.5	1.320	100
35	6 - 35	**16556**		12	16	9.0	8.4	26	1.6	0.980	100
	8 - 35	**16558**		12	16	9.0	8.4	26	1.6	0.980	100
	10 - 35	**165510**		12	18	9.0	10.5	27	1.6	1.000	100
	12 - 35	**165512**		12	22	9.0	13.0	31	1.6	1.260	100
	16 - 35	**165516**		12	28	9.0	17.0	36	1.6	1.550	100
50	6 - 50	**16566**		16	18	11.0	6.5	34	1.8	1.650	100
	8 - 50	**16568**		16	18	11.0	8.4	34	1.8	1.650	100
	10 - 50	**165610**		16	18	11.0	10.5	34	1.8	1.600	100
	12 - 50	**165612**		16	22	11.0	13.0	36	1.8	1.800	100
	16 - 50	**165616**		16	28	11.0	17.0	40	1.8	2.100	100
70	6 - 70	**16576**		18	22	13.0	6.5	38	2.0	2.600	50
	8 - 70	**16578**		18	22	13.0	8.4	38	2.0	2.500	50
	10 - 70	**165710**		18	22	13.0	10.5	38	2.0	2.500	50
	12 - 70	**165712**		18	22	13.0	13.0	38	2.0	2.400	50
	16 - 70	**165716**		18	28	13.0	17.0	42	2.0	2.700	50
95	8 - 95	**16588**		20	24	15.0	8.4	42	2.5	4.300	50
	10 - 95	**165810**		20	24	15.0	10.5	42	2.5	4.1	50
	12 - 95	**165812**		20	24	15.0	13.0	42	2.5	3.900	50
	16 - 95	**165816**		20	28	15.0	17.0	44	2.5	4.100	50
120	8 - 120	**16598**		22	24	17.0	8.4	44	3.0	5.601	50
	10 - 120	**165910**		22	24	17.0	10.5	44	3.0	5.600	50
	12 - 120	**165912**		22	24	17.0	13.0	44	3.0	5.400	50
	16 - 120	**165916**		22	28	17.0	17.0	48	3.0	5.800	50
150	10 - 150	**166010**		24	30	19.0	10.5	50	3.2	7.600	50
	12 - 150	**166012**		24	30	19.0	13.0	50	3.2	7.600	50
	16 - 150	**166016**		24	30	19.0	17.0	50	3.2	7.500	50
185	12 - 185	**166112**		28	36	21.0	13.0	50	3.5	11.300	50
	16 - 185	**166116**		28	36	21.0	17.0	50	3.5	11.300	50
240	12 - 240	**166212**		32	38	23.5	13.0	56	4.0	15.900	25
	16 - 240	**166216**		32	38	23.5	17.0	56	4.0	15.900	25

Insulated solderless terminals, Cu with Easy-Entry





- For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- High-quality brazing process in the crimp area
- Fast preparation as no additional insulation of the crimped connection is required
- Simple processing due to crimping over the insulation
- Insulation sleeve halogen-free

Characteristics

- Insulating, halogen-free with easy-entry cable insertion
- Dimensions in tube according to DIN 46234
- Improved contact properties due to grooved profile
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

- Copper (EN13599)
- Insulation sleeve: PA

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 84

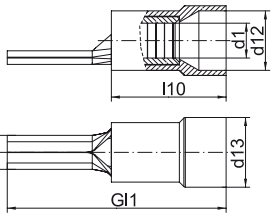
Nominal cross section mm²	Part No.	Colour	Dimension mm							Weight 100 pcs. ~kg Cu	Weight 100 pcs. ~kg Total	Packing unit/ pcs
			b	d1	d12	d13	d2	Gl1	l10			
10	**6526**		11	4.5	6.7	8.6	6.5	34.0	19.0	0.24	0.28	100
	6528		14	4.5	6.7	8.6	8.4	37.5	19.0	0.29	0.33	100
	65210		18	4.5	6.7	8.6	10.5	41.5	19.0	0.34	0.38	100
	65212		22	4.5	6.7	8.6	13.0	45.5	19.0	0.42	0.46	100
16	**6535**		11	5.8	7.7	9.6	5.3	39.5	20.5	0.39	0.44	100
	6536		11	5.8	7.7	9.6	6.5	39.5	20.5	0.38	0.43	100
	6538		14	5.8	7.7	9.6	8.4	41.5	20.5	0.43	0.48	100
	65310		18	5.8	7.7	9.6	10.5	43.5	20.5	0.50	0.55	100
	65312		18	5.8	7.7	9.6	13.0	50.5	20.5	0.58	0.63	100
25	**6545**		12	7.5	11.0	13.0	5.3	40.0	20.0	0.75	0.84	50
	6546		12	7.5	11.0	13.0	6.5	42.5	20.0	0.69	0.78	50
	6548		16	7.5	11.0	13.0	8.4	43.0	20.0	0.75	0.84	50
	65410		18	7.5	11.0	13.0	10.5	45.0	20.0	0.80	0.89	50
	65412		22	7.5	11.0	13.0	13.0	51.0	20.0	0.92	1.00	50
	65416		28	7.5	11.0	13.0	17.0	59.0	20.0	1.32	1.40	50
35	**6556**		16	9.0	12.7	15.0	6.5	44.0	22.5	1.01	1.14	50
	6558		16	9.0	12.7	15.0	8.4	44.5	22.5	0.98	1.10	50
	65510		18	9.0	12.7	15.0	10.5	46.5	22.5	1.00	1.12	50
	65512		22	9.0	12.7	15.0	13.0	52.5	22.5	1.26	1.38	50
	65516		28	9.0	12.7	15.0	17.0	54.5	22.5	1.55	1.67	50
50	**6566**		18	11.0	15.4	18.0	6.5	54.5	27.5	1.65	1.90	50
	6568		18	11.0	15.4	18.0	8.4	60.5	27.5	1.65	1.90	50
	65610		18	11.0	15.4	18.0	10.5	60.5	27.5	1.60	1.85	50
	65612		22	11.0	15.4	18.0	13.0	60.5	27.5	1.80	2.05	50
	65616		28	11.0	15.4	18.0	17.0	67.5	27.5	2.10	2.35	50

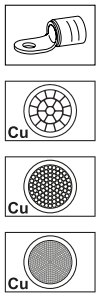
see next page

Insulated solderless terminals, Cu with Easy-Entry

Nominal cross section mm²	Part No.	Colour	Dimension mm							Weight 100 pcs. ~kg Cu	Weight 100 pcs. ~kg Total	Packing unit/ pcs
			b	d1	d12	d13	d2	Gl1	l10			
	6576		22	13.0	17.4	20.0	6.5	61.5	30.5	2.60	2.90	50
	6578		22	13.0	17.4	20.0	8.4	61.5	30.5	2.50	2.80	50
70	**65710**		22	13.0	17.4	20.0	10.5	66.5	30.5	2.50	2.80	50
	65712		22	13.0	17.4	20.0	13.0	66.5	30.5	2.40	2.70	50
	65716		28	13.0	17.4	20.0	17.0	70.5	30.5	2.70	3.00	50
	65810		24	15.0	20.5	23.5	10.5	70.0	34.0	4.10	4.50	25
95	**65812**		24	15.0	20.5	23.5	13.0	70.0	34.0	3.90	4.40	25
	65816		28	15.0	20.5	23.5	17.0	76.0	34.0	4.10	4.50	25
	65910		24	17.0	23.5	26.7	10.5	79.0	36.0	5.60	6.10	25
120	**65912**		24	17.0	23.5	26.7	13.0	82.0	36.0	5.40	5.90	25
	65916		28	17.0	23.5	26.7	17.0	90.0	36.0	5.80	6.30	25
	66010		30	19.0	26.0	29.2	10.5	80.0	39.0	7.60	8.40	25
150	**66012**		30	19.0	26.0	29.2	13.0	83.0	39.0	7.60	8.40	25
	66016		30	19.0	26.0	29.2	17.0	83.0	39.0	7.50	8.30	25

Insulated pin terminals, Cu with Easy-Entry





- For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- High-quality brazing process in the crimp area
- Fast preparation as no additional insulation of the crimped connection is required
- Insulation sleeve halogen-free

Characteristics

- Insulating, halogen-free with easy-entry cable insertion
- Improved contact properties due to grooved profile
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material

- Copper (EN13599)
- Insulation sleeve: PA

Surface

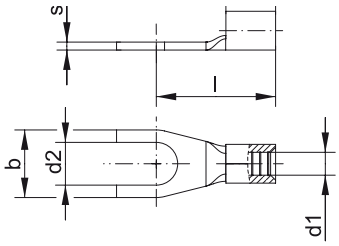
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 84

Nominal cross section mm²	Part No.	Colour	Dimension mm						Weight 100 pcs. ~kg Cu	Weight 100 pcs. ~kg Total	Packing unit/pcs
			b	d1	d12	d13	Gl1	l10			
10	**ST1716IS**		4.3	4.3	7.4	9.4	33.0	19.0	0.27	0.31	100
16	**ST1717IS**		5.5	5.4	8.6	10.6	38.0	20.0	0.39	0.44	100
25	**ST1718IS**		6.8	6.7	12.5	14.5	43.5	23.5	0.63	0.73	50
35	**ST1719IS**		8.0	8.2	14.0	16.4	51.5	27.5	1.17	1.34	50
50	**ST1720IS**		9.5	9.5	15.5	18.0	59.0	33.0	1.79	2.10	50
70	**ST1721IS**		11.0	11.2	18.0	20.5	69.0	38.0	2.92	3.20	50
95	**ST1722IS**		12.5	13.5	20.7	23.5	71.0	40.0	4.30	4.70	25

Solderless terminals, Cu, fork type



- For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- Dimensions in tube to 6 mm² to DIN 46234
- Simple fork-type mounting
- High-quality brazing process in the crimp area

Characteristics
- Improved contact properties due to grooved profile

Material
- Copper (EN13599)

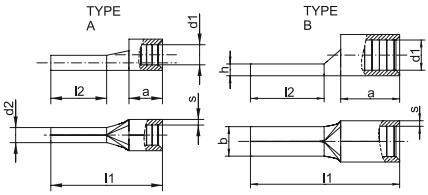
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 82

Additional information
- 0.5 - 6 mm² not UL-certified

Nominal cross section mm²	Nominal size to DIN	Part No.	Dimension mm						Weight 100 pcs. ~kg	Packing unit/ pcs
			a	b	d1	d2	l	s		
0.5 - 1	3 - 1	**1620C3**	5.0	6.0	1.6	3.2	11.0	0.8	0.060	100
	3.5 - 1	**1620C35**	5.0	6.0	1.6	3.7	11.0	0.8	0.060	100
	4 - 1	**1620C4**	5.0	6.8	1.6	4.3	12.0	0.8	0.070	100
	5 - 1	**1620C5**	5.0	10.0	1.6	5.3	13.0	0.8	0.090	100
	6 - 1	**1620C6**	5.0	11.0	1.6	6.5	15.0	0.8	0.080	100
1.5 - 2.5	3 - 2.5	**1630C3**	5.0	5.5	2.3	3.2	13.8	0.8	0.065	100
	3.5 - 2.5	**1630C35**	5.0	6.0	2.3	3.7	11.0	0.8	0.065	100
	4 - 2.5	**1630C4**	5.0	6.8	2.3	4.3	12.0	0.8	0.080	100
	5 - 2.5	**1630C5**	5.0	10.0	2.3	5.3	14.0	0.8	0.090	100
	6 - 2.5	**1630C6**	5.0	11.0	2.3	6.5	16.0	0.8	0.110	100
4 - 6	4 - 6	**1650C4**	6.0	8.0	3.6	4.3	14.0	1.0	0.140	100
	5 - 6	**1650C5**	6.0	10.0	3.6	5.3	15.0	1.0	0.160	100
	6 - 6	**1650C6**	6.0	11.0	3.6	6.5	16.0	1.0	0.170	100
	8 - 6	**1650C8**	6.0	14.0	3.6	8.4	19.0	1.0	0.220	100
10	5 - 10	**1652C5**	10.0	10.0	4.3	5.3	19.0	1.0	0.240	100
	6 - 10	**1652C6**	10.0	11.0	4.3	6.4	21.0	1.0	0.260	100
16	6 - 16	**1653C6**	11.5	11.0	5.8	6.4	24.0	1.0	0.350	100

Pin terminals to DIN, Cu



- For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- Nominal cross-sections 0.5 - 6 mm² to DIN 46230
- High-quality brazing process in the crimp area

Characteristics

- Improved contact properties due to grooved profile

Material

- Copper (EN13599)

Surface

- Tin-plated to protect against corrosion

Technical instructions

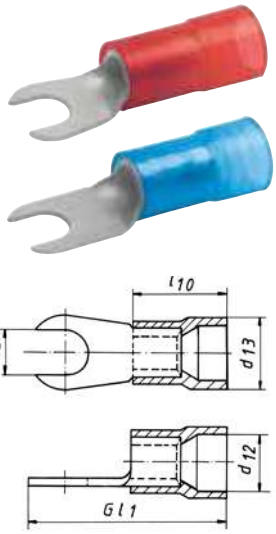
- Tool: see page 82

Additional information

- * = not standardised
- 0.5 - 6 mm² not UL-tested

Nominal cross section mm²	Nominal size to DIN	Part No.	Typ	Hint	Dimension mm								Weight 100 pcs. ~kg	Packing unit/pcs
					a	b	d1	d2	l1	l2	s	h		
0.5 - 1	1	**ST1705**	A		5.0	--	1.6	1.9	17.0	10	0.8	--	0.060	100
1.5 - 2.5	2.5	**ST1710**	A		5.0	--	2.3	1.9	17.0	10	0.8	--	0.072	100
4 - 6	6	**ST1715**	A		6.0	--	3.6	2.7	20.0	11	1.0	--	0.160	100
10	--	**ST1716**	B	*	10.0	4.3	4.3	--	24.5	11	1.0	2.0	0.270	100
16	--	**ST1717**	B	*	11.5	5.8	5.4	--	29.5	15	1.0	2.0	0.390	100
25	--	**ST1718**	B	*	13.5	6.8	6.8	--	33.5	15	1.2	2.4	0.630	100
35	--	**ST1719**	B	*	16.0	8.0	8.2	--	40.5	20	1.5	3.2	1.170	50
50	--	**ST1720**	B	*	19.0	9.5	9.5	--	45.0	20	1.8	3.6	1.790	50
70	--	**ST1721**	B	*	24.0	11.0	11.2	--	55.0	23	2.0	4.0	2.920	50
95	--	**ST1722**	B	*	24.0	12.5	13.5	--	55.0	23	2.5	5.0	4.300	50

Insulated solderless terminals for meter connections, Cu, fork type



- For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- Special design for meter connection
- High-quality brazing process in the crimp area
- Fast preparation as no additional insulation of the crimped connection is required
- Insulation sleeve halogen-free

Characteristics
- Improved contact properties due to grooved profile
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

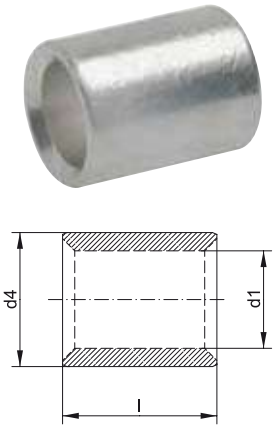
Material
- Copper (EN13599)
- Insulation sleeve: PA

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 84

Nominal cross section mm²	Part No.	Colour	Dimension mm					Gewicht 100 St. ~kg Cu	Gewicht 100 St. ~kg Ges.	Packing unit/ pcs
			d12	d13	d2	Gl1	l10			
10	**652C5**		7.0	9.6	5.3	33.5	19.0	0.24	0.28	100
	652C6		7.0	9.6	6.4	33.5	19.0	0.26	0.30	100
16	**653C6**		8.6	10.6	6.4	37.5	20.5	0.35	0.40	100

Solderless connectors to DIN, Cu, short type



- For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- To DIN 46341, Part 1, Form A
- Ideal for connecting differing conductor cross-sections

Characteristics
- Simple cable entry due to internal chamfer
- Annealed material optimises material and crimping properties

Material
- Copper (EN13600)

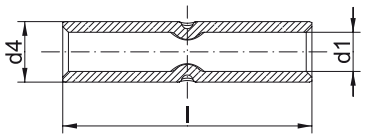
Surface
- Tin-plated to protect against corrosion

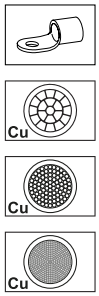
Technical instructions
- Tool: see page 82

Additional information
- The sum of the single conductor cross sections must be within the specified cross section range.

Nominal cross section mm²	Nominal size to DIN	Part No.	Dimension mm			Weight 100 pcs. ~kg	Packing unit/pcs
			d1	d4	l		
> 0.5 - 1	1	**1620K**	1.8	3.3	8	0.045	100
> 1 - 2.5	2.5	**1630K**	2.5	4.1	8	0.055	100
> 2.5 - 6	6	**1650K**	3.8	5.8	9	0.090	100
> 6 - 10	10	**1652K**	4.7	6.9	10	0.170	100
> 10 - 16	16	**1653K**	5.8	8.4	11	0.260	100
> 16 - 25	25	**1654K**	7.7	10.7	14	0.510	100
> 25 - 35	35	**1655K**	9.2	12.4	16	0.730	100
> 35 - 50	50	**1656K**	11.2	14.8	19	1.200	100
> 50 - 70	70	**1657K**	13.2	17.2	19	1.530	50
> 70 - 95	95	**1658K**	15.3	20.3	20	2.370	50
> 95 - 120	120	**1659K**	16.8	22.8	22	3.450	50
> 120 - 150	150	**1660K**	19.3	25.7	26	5.060	50

Solderless connectors to DIN, Cu, long type





- For round conductors, e.g. to DIN EN 60228 Cl. 2, 5 and 6
- To DIN 46341, Part 1, Form B
- Simple and safe processing due to butt mark

Characteristics

- Simple cable entry due to internal chamfer
- Annealed material optimises material and crimping properties

Material

- Copper (EN13600)

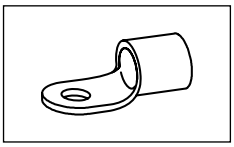
Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 82

Nominal cross section mm²	Nominal size to DIN	Part No.	Dimension mm			Weight 100 pcs. ~kg	Packing unit/pcs
			d1	d4	l		
> 0.5 - 1	1	**1620L**	1.8	3.3	15	0.08	100
> 1.5 - 2.5	2.5	**1630L**	2.5	4.1	15	0.10	100
> 4 - 6	6	**1650L**	3.8	5.8	15	0.19	100
> 10	10	**1652L**	4.7	6.9	21	0.36	100
> 16	16	**1653L**	5.8	8.4	26	0.62	100
> 25	25	**1654L**	7.7	10.7	29	1.11	100
> 35	35	**1655L**	9.2	12.4	32	1.50	100
> 50	50	**1656L**	11.2	14.8	38	2.44	100
> 70	70	**1657L**	13.2	17.2	42	3.54	50
> 95	95	**1658L**	15.3	20.3	48	5.87	50
> 120	120	**1659L**	16.8	22.8	52	8.46	50
> 150	150	**1660L**	19.3	25.7	56	10.86	50

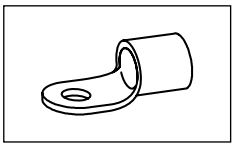


Tool application chart

Solderless terminals to DIN 46234, pin terminals to DIN 46230, solderless connectors to DIN 46341
Part 1 of 2

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	0,5 - 16	K25		225		
	16 - 95	K95		225		
		TK95		225		
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	0,5 - 10	K50		235	312	
		EK50ML		244	312	
		K507		234		
	6 - 35	K354		236	316	
	10 - 70	K18		238	324	
		K22		240	329	
Hand hydraulic crimping tools	10 - 70	HK6018		280	324	
		HK60UNV	+UA18	465	324	
		HK6022		282	329	
		HK60UNV	+UA22	465	329	
	10 - 150	HK12030		286	335	
		HK12042		288	335	
		HK120U		290	335	
Battery powered crimping tools	0,5 - 10	EK1550ML		248	312	
	6 - 35	EK354ML		250	316	
		EK354		256	316	
	6 - 95	EK30IDML		247		
	10 - 50	EK505		258	320	
	10 - 70	EK5018		260	324	
		EK60UNV	+UA18	468	324	
		EKM60UNV	+UA18	467	324	
		EK6022		264	329	
		EKM6022		262	329	
		EK60UNV	+UA22	468	329	
		EKM60UNV	+UA22	467	329	
	10 - 240	EKM60ID		268		
	10 - 150	EK12032		270	335	
		EK12042		272	335	
		EK120U		274	335	
		EK135FT	+UA15T	276	335	
		EK120UNV	+UA12T	469	335	

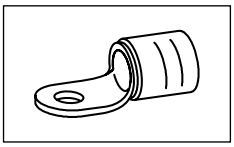
see next page



Tool application chart

Solderless terminals to DIN 46234, pin terminals to DIN 46230, solderless connectors to DIN 46341
Part 2 of 2

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Hydraulic crimping systems	**10 - 70**	THK18		294	324	
		THK22		296	329	
	10 - 150	THK120		300	335	
	10 - 240	HK252	+25A13	308	335 + 340	
Hydraulic crimping heads	**10 - 70**	PK18		294	324	
		PK60UNV	+UA18	466	324	
		PK22		296	329	
		PK60UNV	+UA22	466	329	
	10 - 240	PK60ID		299		
	10 - 150	PK12042		300	335	
		PK120U		302	335	
	10 - 240	PK252	+25A13	304	335 + 340	



Tool application chart

Isolierte Quetschkabelschuhe
Isolierte Stiftkabelschuhe

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	10 - 16	K16		220		⬭
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	10 - 16	K50		235	313	⬭
		EK50ML		244	313	⬭
		K354		236	316	⬭
	10 - 50	K18		238	324	◡
	10 - 70	K22		240	329	◡
Hand hydraulic crimping tools	10 - 50	HK6018		280	324	◡
		HK60UNV	+UA18	465	324	◡
	10 - 70	HK6022		282	329	◡
		HK60UNV	+UA22	465	329	◡
	10 - 95	HK12030		286	335	◡
		HK12042		288	335	◡
		HK120U		290	335	◡
Battery powered crimping tools	10 - 16	EK1550ML		248	313	⬭
		EK354ML		250	316	◡
		EK354		256	316	◡
	10 - 50	EK5018		260	324	◡
		EK60UNV	+UA18	468	324	◡
		EKM60UNV	+UA18	467	324	◡
	10 - 70	EK6022		264	329	◡
		EKM6022		262	329	◡
		EK60UNV	+UA22	468	329	◡
		EKM60UNV	+UA22	467	329	◡
	10 - 95	EK12032		270	335	◡
		EK12042		272	335	◡
		EK120U		274	335	◡
		EK135FT	+UA15T	276	335	◡
		EK120UNV	+UA12T	469	335	◡
Hydraulic crimping systems	10 - 50	THK18		294	324	◡
	10 - 70	THK22		296	329	◡
	10 - 95	THK120		300	335	◡
	10 - 150	HK252	+25A13	308	335 + 340	◡
Hydraulic crimping heads	10 - 50	PK18		294	324	◡
		PK60UNV	+UA18	466	324	◡
	10 - 70	PK22		296	329	◡
		PK60UNV	+UA22	466	329	◡
	10 - 95	PK12042		300	335	◡
		PK120U		302	335	◡
	10 - 150	PK252	+25A13	304	335 + 340	◡

COMPENSATING - SLEEVES FOR COPPER SECTOR-SHAPED AND COMPACTED CONDUCTORS

With the right sleeve, copper sector-shaped conductors are easy to crimp all the way round and can then be conveniently inserted into the cable lug. Klauke sleeves for compacted conductors compensate the difference between the compacted conductor and cable lug - ensuring reliable connections.

In brief

- For round crimping sector-shaped conductors
- Brings compacted conductors to the required volume
- Good conductivity due to high-quality copper
- Available for tubular cable lugs

Note: The sleeves for sector-shaped conductors must be crimped with pre-rounding dies.

Filled in two steps

Making it easy for you: Use the Klauke sleeves to bring compacted conductors to the required volume in just two work steps: Simply attach the sleeve to the stripped conductor and insert it into the appropriate cable lug - done.

No additional tools and no special solutions required.

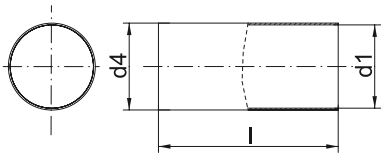
- Simple filling of compacted conductors
- For nominal cross-sections of up to 400 mm²
- High-quality material reduces contact resistance
- No special solutions required: existing tool can be used for reliable crimping

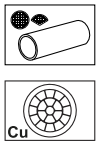
Pre-rounded sector-shaped conductors

Pre-rounds 3 and 4-sector-shaped conductors made of copper.

- For pre-rounding of sector-shaped conductors
- Suitable for 3- and 4-sector-shaped conductors at angles of 120° and 90°
- Nominal cross-section up to 240 mm²
- No splicing of conductors
- No special cable lugs required
- Lower storage costs

Sleeves for compacted conductors, for tubular cable lugs and connector standard type





- **For multi-stranded, compacted conductors e.g. to DIN EN 60228 Cl. 2**
- **Allows the use of Klauke tubular cable lugs and connectors, standard type, on compacted conductors**

Characteristics
- Annealed material optimises material and crimping properties

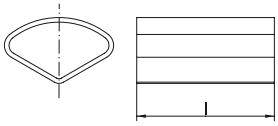
Material
- Copper (HCP)

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Refer to the installation instructions in the technical appendix on page i-7

Nominal cross section mm²	Part No.	Dimension mm			Weight 100 pcs. ~kg	Packing unit/pcs
		d1	d4	l		
16	**VHR16**	5.0	5.3	11	0.024	100
25	**VHR25**	6.4	6.7	14	0.038	100
35	**VHR35**	7.7	8.2	15	0.083	100
50	**VHR50**	9.0	9.5	18	0.118	50
70	**VHR70**	10.6	11.2	19	0.173	50
95	**VHR95**	12.4	13.0	21	0.223	50
120	**VHR120**	13.9	14.5	22	0.261	50
150	**VHR150**	15.4	16.0	26	0.342	25
185	**VHR185**	17.6	18.2	26	0.396	25
240	**VHR240**	19.9	20.5	30	0.508	25
300	**VHR300**	22.4	23.0	38	0.723	10
400	**VHR400**	25.4	26.2	38	1.108	10

Sleeves for sector shaped conductors, 3-core cable



- For multi-stranded, sector shaped conductors, e.g. to DIN EN 60228
- For tubular cable lugs and connectors, standard version
- To simplify pre-rounding of 3-core cables (120° angle)
- Prevents sector shaped conductors from de-stranding during pre-rounding

Characteristics

- Annealed material optimises material and crimping properties

Material

- Copper (HCP)

Surface

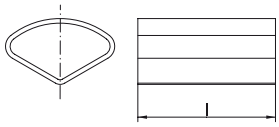
- Tin-plated to protect against corrosion

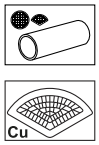
Technical instructions

- For round crimping dies, see „Crimping dies“
- Refer to the installation instructions in the technical appendix on page i-7

Nominal cross section mm²	Part No.	Dimension mm für l	Weight 100 pcs. ~kg	Packing unit/pcs
Standard type				
35	**VHR353**	14	0.08	100
50	**VHR503**	17	0.17	50
70	**VHR703**	18	0.29	50
95	**VHR953**	22	0.45	50
120	**VHR1203**	23	0.49	50
150	**VHR1503**	25	0.58	25
185	**VHR1853**	25	0.80	25
240	**VHR2403**	30	1.04	25

Sleeves for sector shaped conductors, 3-core cable





- For multi-stranded, sector shaped conductors, e.g. to DIN EN 60228
- For DIN compression cable lugs and connectors
- To simplify pre-rounding of 3-core cables (120° angle)
- Prevents sector shaped conductors from de-stranding during pre-rounding

Characteristics

- Annealed material optimises material and crimping properties

Material

- Copper (HCP)

Surface

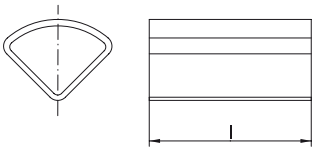
- Tin-plated to protect against corrosion

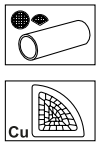
Technical instructions

- For round crimping dies, see „Crimping dies“
- Refer to the installation instructions in the technical appendix on page i-7

Nominal cross section mm² DIN version	Part No.	Dimension mm für l	Weight 100 pcs. ~kg	Packing unit/pcs
35	**VHD353**	17,5	0.11	100
50	**VHD503**	25,0	0.26	50
70	**VHD703**	25,0	0.39	50
95	**VHD953**	32,0	0.66	50
120	**VHD1203**	32,0	0.68	50
150	**VHD1503**	32,0	0.74	25
185	**VHD1853**	35,0	1.13	25
240	**VHD2403**	35,0	1.22	25

Sleeves for sector shaped conductors, 4-core cable





- For multi-stranded, sector shaped conductors, e.g. to DIN EN 60228
- For tubular cable lugs and connectors, standard version and DIN compression cable lugs and connectors
- To simplify pre-rounding of 4-core cables (90° angle)
- Prevents sector shaped conductors from de-stranding during pre-rounding

Characteristics

- Annealed material optimises material and crimping properties

Material

- Copper (HCP)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Refer to the installation instructions in the technical appendix on page i-7
- For round crimping dies, see „Crimping dies“

Nominal cross section mm²	Part No.	Dimension mm für l	Weight 100 pcs. ~kg	Packing unit/pcs
Standard type				
35	**VHR354**	14	0.13	100
50	**VHR504**	17	0.17	50
70	**VHR704**	18	0.28	50
95	**VHR954**	22	0.40	50
120	**VHR1204**	23	0.51	50
150	**VHR1504**	25	0.57	25
185	**VHR1854**	25	0.78	25
240	**VHR2404**	30	0.85	25
DIN version				
35	**VHD354**	17.5	0.11	100
50	**VHD504**	25.0	0.25	50
70	**VHD704**	25.0	0.38	50
95	**VHD954**	32.0	0.63	50
120	**VHD1204**	32.0	0.71	50
150	**VHD1504**	32.0	0.73	25
185	**VHD1854**	35.0	1.09	25
240	**VHD2404**	35.0	1.13	25

RELIABLE - ALUMINIUM COMPRESSION CABLE LUGS AND CONNECTORS TO DIN

Light and extremely reliable: Klauke aluminium compression cable lugs are both. Contact grease breaks down the oxidation layer, high-quality tinning facilitates the contact with copper in dry environments. For the toughest demands, all cable lugs and most connectors are IEC-tested for safety. We offer a solution for practically every problem.

In brief

- Aluminium cable lugs and connectors according to and based on DIN standards
- Tested to the stringent IEC 61238-1
- Appropriate solutions to 30 kV
- Also for power lines and conductor wires
- Tinned and non-tinned versions available

Deep drawn

Deep-drawn connectors are produced with barrier and precisely to DIN 46329. Thanks to the special production method, there is absolutely no ingress or escaping of liquids through the cable lug flange.

- Barrier design with oil stop
- Filled with contact grease as standard
- In the tinned version, also suitable for connecting to copper in dry environments
- For moist environments, we recommend Klauke connectors made from aluminium/copper

Same excellent quality

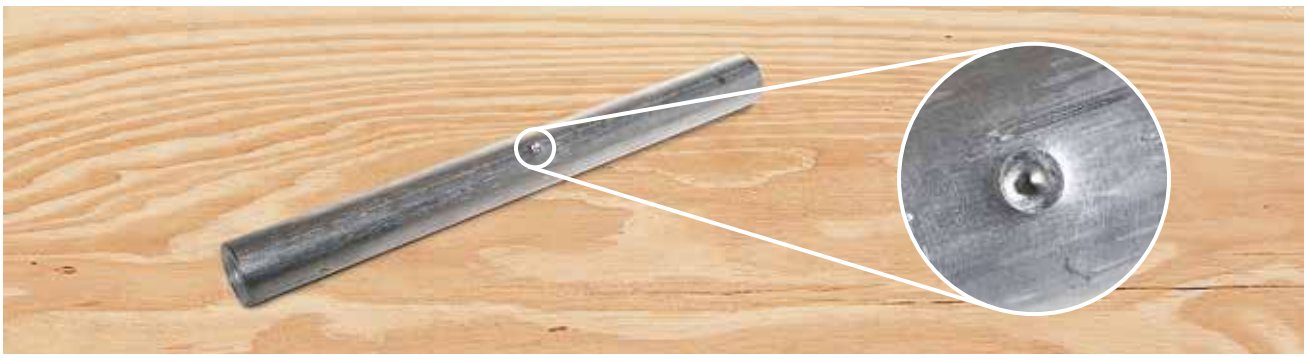
Because we at Klauke have our own manufacturing facilities, our products are always the same consistently high quality. No matter which cable lug or connector you need, the Klauke system guarantees you the best results.

- Constant qualities in many forms
- Connections according to or based on DIN standards
- Simple processing with DIN hexagonal crimping or optionally EKM60ID
- Guaranteed safety through IEC 61238-1 tests

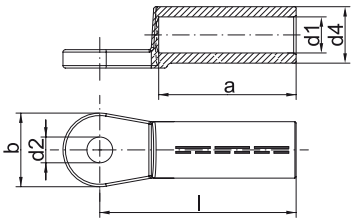
Flexibility in power line construction

In power line construction too, Klauke products provide the flexible and reliable solution.

For special solutions, contact us directly. We can make them for you.



Compression cable lugs to DIN, Al



- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- For pre-rounded sector shaped conductors
- To DIN 46329
- With code number for clear tool assignment for clear tool assignment
- Filled with contact grease for optimum crimp characteristics

Characteristics

- Barrier design with oil stop
- Optional tin-plated (20 µm) version to connect copper bus bars in dry indoor areas
- Simple and safe connection due to flat contact surfaces and internal chamfer
- Unique tool assignment due to DIN die coding

Material

- E-aluminium

Surface

- Bright

Technical instructions

- Tool: see page 103

Additional information

- Part Number appendix for tinned version „V“
- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded
- 70 - 240 mm² UL-tested (tin-plated version)
- * = not standardised

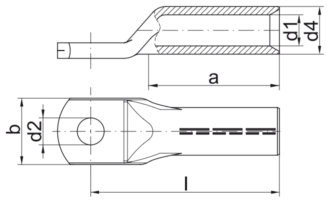
Size of bolt dia.	Part No.	Nominal cross section mm²		Hint	Code	Dimension mm						Number of crimps		Weight 100 pcs. ~kg	Packing unit/pcs
		rm/sm	re/se			a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)		
M 8	**263R8**	16	25	*	12	30	20	5.8	8.4	12	50	4	2	1.20	4
M 10	**263R10**	16	25	*	12	30	20	5.8	10.5	12	50	4	2	1.20	4
M 8	**264R8**	25	35		12	30	25	6.8	8.4	12	50	4	2	1.30	4
M 10	**264R10**	25	35		12	30	25	6.8	10.5	12	50	4	2	1.24	4
M 12	**264R12**	25	35		12	30	25	6.8	13.0	12	50	4	2	1.22	4
M 8	**265R8**	35	50		14	42	25	8.0	8.4	14	62	5	2	2.50	4
M 10	**265R10**	35	50		14	42	25	8.0	10.5	14	62	5	2	1.98	4
M 12	**265R12**	35	50		14	42	25	8.0	13.0	14	62	5	2	2.50	4
M 8	**266R8**	50	70		16	42	25	9.8	8.4	16	62	5	2	2.75	4
M 10	**266R10**	50	70		16	42	25	9.8	10.5	16	62	5	2	2.70	4
M 12	**266R12**	50	70		16	42	25	9.8	13.0	16	62	5	2	2.65	4
M 8	**267R8**	70	95		18	52	25	11.2	8.4	18.5	72	6	3	3.45	4
M 10	**267R10**	70	95		18	52	25	11.2	10.5	18.5	72	6	3	3.80	4
M 12	**267R12**	70	95		18	52	25	11.2	13.0	18.5	72	6	3	3.35	4
M 10	**268R10**	95	120		22	56	25	13.2	10.5	22	75	6	3	6.90	4
M 12	**268R12**	95	120		22	56	25	13.2	13.0	22	75	6	3	4.92	4
M 16	**268R16**	95	120	*	22	56	25	13.2	17.0	22	75	6	3	6.00	4
M 10	**269R10**	120	150		22	56	30	14.7	10.5	23	80	6	3	5.95	4
M 12	**269R12**	120	150		22	56	30	14.7	13.0	23	80	6	3	5.84	4
M 16	**269R16**	120	150		22	56	30	14.7	17.0	23	80	6	3	6.60	4
M 10	**270R10**	150	185		25	60	30	16.3	10.5	25	90	6	3	8.50	4

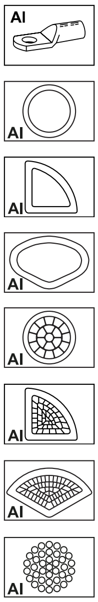
See next page

Compression cable lugs to DIN, Al

Size of bolt dia.	Part No.	Nominal cross section mm²		Hint	Code	Dimension mm						Number of crimps		Weight 100 pcs. ~kg	Packing unit/pcs
		rm/sm	re/se			a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)		
M 12	**270R12**	150	185		25	60	30	16.3	13.0	25	90	6	3	7.73	4
M 16	**270R16**	150	185		25	60	30	16.3	17.0	25	90	6	3	7.60	4
M 10	**271R10**	185	240		28	60	30	18.3	10.5	28.5	91	6	3	11.00	4
M 12	**271R12**	185	240		28	60	30	18.3	10.5	28.5	91	6	3	9.88	4
M 16	**271R16**	185	240		28	60	30	18.3	17.0	28.5	91	6	3	10.10	4
M 20	**271R20**	185	240	*	28	60	30	18.3	21.0	28.5	91	6	3	10.00	4
M 10	**272R10**	240	300	*	32	70	38	21.0	10.5	32	103	8	3	15.50	4
M 12	**272R12**	240	300		32	70	38	21.0	13.0	32	103	8	3	13.80	4
M 16	**272R16**	240	300		32	70	38	21.0	17.0	32	103	8	3	13.48	4
M 20	**272R20**	240	300		32	70	38	21.0	21.0	32	103	8	3	15.00	4
M 12	**273R12**	300	--		34	70	38	23.3	13.0	34	103	8	3	17.60	1
M 16	**273R16**	300	--		34	70	38	23.3	17.0	34	103	8	3	17.28	1
M 20	**273R20**	300	--		34	70	38	23.3	21.0	34	103	8	3	17.40	1
M 12	**274R12**	400	--		38	73	38	26.0	13.0	38.5	116	--	4	38.00	1
M 16	**274R16**	400	--		38	73	38	26.0	17.0	38.5	116	--	4	37.40	1
M 20	**274R20**	400	--		38	73	38	26.0	21.0	38.5	116	--	4	40.20	1
M 12	**275R12**	500	--		44	79	44	29.0	13.0	44	122	--	4	43.70	1
M 16	**275R16**	500	--		44	79	44	29.0	17.0	44	122	--	4	43.30	1
M 20	**275R20**	500	--		44	79	44	29.0	21.0	44	122	--	4	43.00	1

Compression cable lugs, Al





- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- For pre-rounded sector shaped conductors
- Tube dimension to DIN 46329
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp characteristics

Characteristics

- Easy to process due to crimp markings
- Simple and safe connection due to flat contact surfaces and internal chamfer

Material

- E-aluminium

Surface

- Bright

Technical instructions

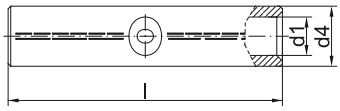
- Tool: see page 103

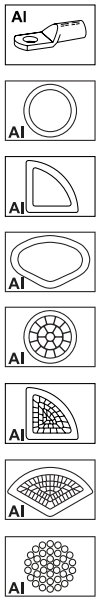
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded
- 16 - 400 mm² IEC-tested

Size of bolt dia.	Part No.	Nominal cross section mm²		Code	Dimension mm						Number of crimps		Weight 100 pcs. ~kg	Packing unit/pcs
		rm/sm	re/se		a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)		
M 6	**202R6**	10	16	10	32	16	5.0	6.5	10	52	4	2	0.86	25
M 8	**202R8**	10	25	10	32	18	5.0	8.5	10	52	4	2	0.88	25
	203R8	16	25	12	32	18	5.8	8.5	12	52	4	2	1.37	10
M 10	**203R10**	16	25	12	32	18	5.8	10.5	12	52	4	2	1.39	10
M 8	**204R8**	25	35	12	38	18	6.8	8.5	12	60	4	2	1.41	10
M 10	**204R10**	25	35	12	38	18	6.8	10.5	12	60	4	2	1.46	10
	205R10	35	50	14	42	21	8.2	10.5	14	67	5	2	2.08	10
M 12	**205R12**	35	50	14	42	21	8.2	13.0	14	67	5	2	2.05	10
M 10	**206R10**	50	70	16	45	25	9.8	10.5	16	72	5	2	2.68	10
M 12	**206R12**	50	70	16	45	25	9.8	13.0	16	72	5	2	2.73	10
M 10	**207R10**	70	95	18	55	28	11.2	10.5	18.5	86	6	3	4.42	10
M 12	**207R12**	70	95	18	55	28	11.2	13.0	18.5	86	6	3	4.27	10
M 10	**208R10**	95	120	22	55	32	13.2	10.5	22	90	6	3	7.40	4
M 12	**208R12**	95	120	22	55	32	13.2	13.0	22	90	6	3	7.50	4
M 16	**208R16**	95	120	22	55	34	13.2	17.0	22	90	6	3	7.30	4
M 12	**209R12**	120	150	22	55	32	14.7	13.0	23	91	6	3	6.68	4
M 16	**209R16**	120	150	22	55	34	14.7	17.0	23	91	6	3	6.41	4
M 12	**210R12**	150	185	25	63	35	16.5	13.0	25	103	6	3	9.64	4
M 16	**210R16**	150	185	25	63	35	16.5	17.0	25	103	6	3	9.24	4
M 12	**211R12**	185	240	28	65	40	18.5	13.0	28	106	6	3	12.61	1
M 16	**211R16**	185	240	28	65	40	18.5	17.0	28.5	106	6	3	11.92	1
M 20	**211R20**	185	240	28	65	40	18.5	21.0	28	106	6	3	13.10	1
M 12	**212R12**	240	300	32	70	45	21.3	13.0	32	116	8	3	18.30	1
M 16	**212R16**	240	300	32	70	45	21.3	17.0	32	116	8	3	17.60	1
M 20	**212R20**	240	300	32	70	45	21.3	21.0	32	116	8	3	17.30	1
M 16	**213R16**	300	--	34	75	49	23.6	17.0	34	124	8	3	17.50	1
M 20	**213R20**	300	--	34	75	49	23.6	21.0	34	124	8	3	17.30	1
M 16	**214R16**	400	--	38	95	58	26.0	17.0	38.5	165	--	4	32.20	1
M 20	**214R20**	400	--	38	95	58	26.0	21.0	38.5	165	--	4	31.90	1

Compression joint to DIN, Al





- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- To DIN 46267, Part 2
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp characteristics
- For pre-rounded sector shaped conductors

Characteristics

- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer
- Simple and safe processing due to butt mark

Material

- E-aluminium

Surface

- Bright

Technical instructions

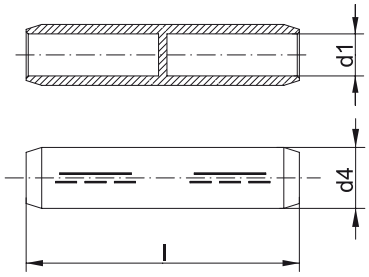
- Tool: see page 103

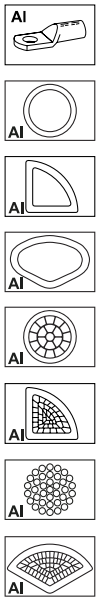
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded
- 16 - 500 mm² IEC-tested
- * = not standardised

Part No.	Nominal cross section mm²		Hint	Code	Dimension mm			Number of crimps		Weight 100 pcs. ~kg	Packing unit/ pcs
	rm/sm	re/se			d1	d4	l	Al (7 mm)	Al (wide)		
222R	10	16	*	10	5.0	10.0	55	3/3	--	0.95	10
223R	16	25	*	12	5.8	12.0	55	3/3	--	1.40	10
224R	25	35		12	6.8	12.0	70	4/4	2/2	1.60	10
225R	35	50		14	8.0	14.0	85	5/5	2/2	2.60	10
226R	50	70		16	10.0	16.0	85	5/5	2/2	3.20	10
227R	70	95		18	11.5	18.5	105	6/6	3/3	5.30	10
228R	95	120		22	13.5	22.0	105	6/6	3/3	7.60	10
229R	120	150		22	15.0	23.0	105	6/6	3/3	7.80	10
230R	150	185		25	16.5	25.0	125	6/6	3/3	10.70	10
231R	185	240		28	18.5	28.5	125	6/6	3/3	14.30	5
232R	240	300		32	21.0	32.0	145	8/8	3/3	20.30	5
233R	300	--		34	23.3	34.0	145	8/8	3/3	22.20	1
234R	400	--		38	26.0	38.5	210	--	5/5	40.80	1
235R	500	--		44	29.0	44.0	210	--	5/5	56.00	1

Compression joints, Al





- For non-tension connections of medium-voltage aluminium cable 10-30 kV
- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182 and pre-rounded sector shaped conductors
- For pre-rounded sector shaped conductors
- Tube dimension to DIN 46267, Part 2
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp characteristics

Characteristics

- Also available as barrier design with oil stop
- With chamfered edges for reduced wrapping during assembly
- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- E-aluminium

Surface

- Bright

Technical instructions

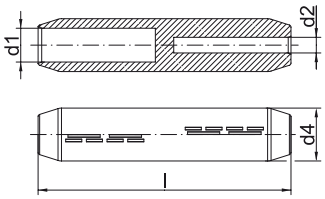
- Tool: see page 103

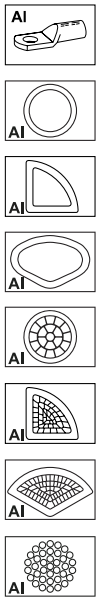
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

Part No.	Nominal cross section mm²		Code	Dimension mm			Number of crimps		Weight 100 pcs. ~kg	Packing unit/ pcs
	rm/sm	re/se		d1	d4	l	Al (7 mm)	Al (wide)		
Standard type										
405R	35	50	14	8.0	14	90	4/4	2/2	2.7	10
406R	50	70	16	9.8	16	90	4/4	2/2	3.4	10
407R	70	95	18	11.2	18.5	95	4/4	2/2	4.6	10
408R	95	120	22	13.2	22	100	4/4	2/2	6.8	10
409R	120	150	22	14.7	23	105	4/4	2/2	7.4	10
410R	150	185	25	16.3	25	105	4/4	2/2	8.7	10
411R	185	240	28	18.3	28.5	125	5/5	2/2	13.4	5
412R	240	300	32	21.0	32	125	5/5	2/2	15.7	5
413R	300	--	34	23.3	34	125	5/5	2/2	16.3	1
414R	400	--	38	27.0	38.5	150	--	3/3	25.8	1
Barrier version										
416R	50	70	16	9.8	16	95	4/4	2/2	5.6	5
417R	70	95	18	11.2	18.5	100	4/4	2/2	6.1	5
418R	95	120	22	13.2	22	105	4/4	2/2	9.2	5
419R	120	150	22	14.7	23	110	4/4	2/2	10.3	5
420R	150	185	25	16.3	25	110	4/4	2/2	12.0	5
421R	185	240	28	18.3	28.5	130	5/5	2/2	15.6	5
422R	240	300	32	21.0	32	130	5/5	2/2	19.1	5
423R	300	--	34	23.3	34	135	5/5	2/2	30.7	1
424R	400	--	38	26.0	38	165	--	3/3	30.0	1

Reduction compression joints, Al, barrier type





- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- In nominal cross-section area tube dimension to DIN 46267, part 2
- For pre-rounded sector shaped conductors
- Ideal for connecting differing conductor cross-sections
- Filled with contact grease for optimum crimp characteristics

Characteristics

- Barrier design with oil stop
- Unique tool assignment due to DIN die coding
- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- E-aluminium

Surface

- Bright

Technical instructions

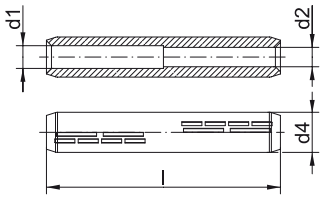
- Tools: see chart page 103

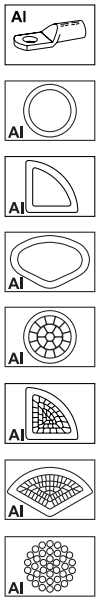
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

Part No.	Nominal cross section mm² re/se from	rm/sm from	re/se to	rm/sm to	Code	Dimension mm d1	d2	d4	l	Number of crimps Al (7 mm)	Al (wide)	Weight 100 pcs. ~kg	Packing unit/pcs
425R25	50	35	35	25	14	8.0	6.8	14	95	4/4	2/2	2.8	5
426R35	70	50	50	35	16	9.8	8.0	16	95	4/4	2/2	3.45	5
428R50	120	95	70	50	22	13.2	9.8	22	105	4/4	2/2	7.60	5
428R70	120	95	95	70	22	13.2	11.2	22	105	4/4	2/2	7.35	5
429R70	150	120	95	70	22	14.7	11.2	23	110	4/4	2/2	7.10	5
429R95	150	120	120	95	22	14.7	13.2	23	110	4/4	2/2	6.55	5
430R70	185	150	95	70	25	16.3	11.2	25	110	4/4	2/2	9.80	5
430R95	185	150	120	95	25	16.3	13.2	25	110	4/4	2/2	9.50	5
430R120	185	150	150	120	25	16.3	14.7	25	110	4/4	2/2	8.65	5
431R70	240	185	95	70	28	18.3	11.2	28.5	130	--	2/2	15.05	5
431R95	240	185	120	95	28	18.3	13.2	28.5	130	--	2/2	14.40	5
431R120	240	185	150	120	28	18.3	14.7	28.5	130	5/5	2/2	13.70	5
431R150	240	185	185	150	28	18.3	16.3	28.5	130	5/5	2/2	13.05	5
432R120	300	240	150	120	32	21.0	14.7	32	130	--	2/2	18.80	5
432R150	300	240	185	150	32	21.0	16.3	32	130	5/5	2/2	18.125	5
432R185	300	240	240	185	32	21.0	18.3	32	130	5/5	2/2	17.275	5
433R150	-	300	185	150	34	23.3	16.3	34	135	5/5	2/2	21.10	1
433R185	-	300	240	185	34	23.3	18.3	34	135	5/5	2/2	20.12	1
433R240	-	300	300	240	34	23.3	21.0	34	135	5/5	2/2	18.73	1
434R300	-	400	-	300	38	26.0	23.3	34	165	--	3/3	31.20	1

Reduction-compression joints, Al





- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- For pre-rounded sector shaped conductors
- In nominal cross-section area tube dimension to DIN 46267, part 2
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp characteristics

Characteristics

- For connecting different conductor cross-sections
- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- E-aluminium

Surface

- Bright

Technical instructions

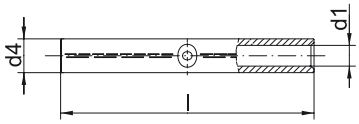
- Tool: see page 103

Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

Part No.	Nominal cross section mm²				Code	Dimension mm				Number of crimps		Weight 100 pcs. ~kg	Packing unit/pcs
	re/se from	rm/sm from	re/se to	rm/sm to		d1	d2	d4	l	Al (7 mm)	Al (wide)		
284R16	35	25	25	16	12	6.8	5.8	12	70	4/4	2/2	1.53	10
285R25	50	35	35	25	14	8.0	6.8	14	85	5/5	2/2	2.50	10
286R25	70	50	35	25	16	9.8	6.8	16	85	5/5	2/2	3.24	10
286R35	70	50	50	35	16	9.8	8.0	16	85	5/5	2/2	3.09	10
287R25	95	70	35	25	18	11.2	6.8	18.5	105	6/6	3/3	5.50	10
287R35	95	70	50	35	18	11.2	8.0	18.5	105	6/6	3/3	5.35	10
287R50	95	70	70	50	18	11.2	9.8	18.5	105	6/6	3/3	4.96	10
288R25	120	95	35	25	22	13.2	6.8	22	105	6/6	3/3	9.10	10
288R35	120	95	50	35	22	13.2	8.0	22	105	6/6	3/3	8.90	10
288R50	120	95	70	50	22	13.2	9.8	22	105	6/6	3/3	8.51	10
288R70	120	95	95	70	22	13.2	11.2	22	105	6/6	3/3	8.15	10
289R70	150	120	95	70	22	14.7	11.2	23	105	6/6	3/3	7.66	10
289R95	150	120	120	95	22	14.7	13.2	23	105	6/6	3/3	7.14	10
290R70	185	150	95	70	25	16.3	11.2	25	125	6/6	3/3	11.70	10
290R95	185	150	120	95	25	16.3	13.2	25	125	6/6	3/3	11.05	10
290R120	185	150	150	120	25	16.3	14.7	25	125	6/6	3/3	10.49	10
291R120	240	185	150	120	28	18.3	14.7	28.5	125	6/6	3/3	13.80	5
291R150	240	185	185	150	28	18.3	16.3	28.5	125	6/6	3/3	13.19	5
292R95	300	240	120	95	32	21.0	13.2	32	145	--	3/3	22.24	5
292R120	300	240	150	120	32	21.0	14.7	32	145	--	3/3	21.59	5
292R150	300	240	185	150	32	21.0	16.3	32	145	--	3/3	20.87	5

Compression joint to DIN, Al, full tension



- For full tension connections of aluminium cables to DIN EN 50182
- To DIN 48085, Part 2
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp characteristics

Characteristics

- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- E-aluminium to 95 mm²
- AlMgSi from 120 mm²

Surface

- Bright

Technical instructions

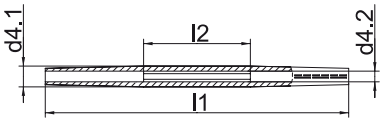
- Tool: see page 103

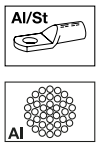
Additional information

- * = not standardised

Nominal cross section mm²	Part No.	Hint	Code	Dimension mm			Number of crimps		Conductor mm dia.	Weight 100 pcs. ~kg	Packing unit/pcs
				d1	d4	l	Al (7 mm)	Al (wide)			
16	**243R**	*	12	5.8	12.0	140	8/8	4/4	5.1	3.4	10
25	**244R**		12	7.0	12.0	140	8/8	4/4	6.3	2.9	10
35	**245R**		14	8.2	14.0	140	8/8	4/4	7.5	3.9	10
50	**246R**		16	10.0	16.0	155	8/8	4/4	9.0	5.2	10
70	**247R**		18	11.5	18.5	165	8/8	4/4	10.5	7.4	10
95	**248R**		22	13.5	22.0	165	8/8	4/4	12.5	12.2	10
120	**249R**		25	15.5	25.5	250	12/12	6/6	14.0	21.8	10
150	**250R**		28	16.5	28.5	300	--	7/7	15.7	34.4	10
185	**251R**		28	18.5	28.5	330	--	7/7	17.5	33.0	5
240	**252R**		34	21.5	34.5	350	--	7/7	20.2	54.0	5
300	**253R**		38	23.5	38.5	400	--	8/8	22.5	79.0	1

Compression joint to DIN, Al/St





- For full tension connections of Al/St conductors to DIN EN 50182
- To DIN 48085, Part 3
- Unique tool assignment due to coding
- Filled with contact grease for optimum crimp characteristics

Characteristics

- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- Sleeve: E-aluminium
- Sleeve: Steel (St 52)

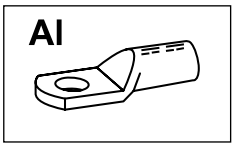
Surface

- Al sleeve: bright
- St sleeve: hot zinc galvanised

Technical instructions

- Tool: see page 105

Nominal cross section mm²	Part No.	Code	Dimension mm				Code Al	Number of crimps				Conductor mm dia.	Weight 100 pcs. ~kg	Packing unit/pcs
			d41	d42	l1	l2		Stahl (5 mm)	Stahl (wide)	Al (7 mm)	Al (wide)			
35 - 6	**455R**	6	14.0	6.3	235	75	14	5/5	--	8/8	--	8.1	7	5
50 - 8	**456R**	7	16.0	7.5	270	95	16	6/6	--	9/9	--	9.6	11	5
70 - 12	**457R**	9	18.5	9.5	270	95	18	6/6	--	9/9	--	11.7	15	5
95 - 15	**458R**	9	22.5	9.6	310	95	22	6/6	--	11/11	--	13.6	23	5
120 - 20	**459R**	13	25.0	13.0	380	110	25	7/7	4/4	13/13	6/6	15.5	36	5



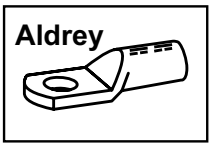
Tool application chart

Compression cable lugs and connectors made from E-Al

Compression cable lugs for full-tension connections from Al conductors DIN EN 50182, 16 - 95 mm²

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	10 - 70	K354		236	317	⬡
	10 - 185	K18		238	325	⬡
	10 - 300	K22		240	330	⬡
Hand hydraulic crimping tools	10 - 185	HK6018		280	325	⬡
		HK60UNV	+UA18	465	325	⬡
	10 - 300	HK6022		282	330	⬡
		HK60UNV	+UA22	465	330	⬡
		HK12030		286	336	⬡
		HK12042		288	336	⬡
		HK120U		290	336	⬡
Battery powered crimping tools	10 - 70	EK354ML		250	317	⬡
		EK354		256	317	⬡
	10 - 150	EK505		258	321	⬡
	10 - 185	EK5018		260	325	⬡
		EK60UNV	+UA18	468	325	⬡
		EKM60UNV	+UA18	467	325	⬡
	10 - 300	EK6022		264	330	⬡
		EKM6022		262	330	⬡
	50 - 240	EKM60ID*		268		◡
	10 - 300	EK60UNV	+UA22	468	330	⬡
		EKM60UNV	+UA22	467	330	⬡
		EK120UNV		469		⬡
		EK12032		270	336	⬡
		EK12042		272	336	⬡
		EK120U	+UA15T	274	336	⬡
		EK135FT	+UA12T	276	336	⬡
Hydraulic crimping systems	10 - 185	THK18		294	325	⬡
	10 - 300	THK22		296	330	⬡
		THK120		300	336	⬡
	10 - 500	HK252	+25A13	308	336 + 340	⬡
	150 - 500	HK45		309	342	⬡
Hydraulic crimping heads	10 - 185	PK18		294	325	⬡
		PK60UNV	+UA18	466	325	⬡
	10 - 300	PK22		296	330	⬡
		PK60UNV	+UA22	466	330	⬡
		PK12042		300	336	⬡
		PK120U		302	336	⬡
	10 - 500	PK252	+25A13	304	336 + 340	⬡
	50 - 240	PK60ID*		299		◡
	150 - 500	PK45		306	342	⬡

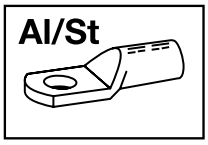
* Not suitable for full-tension connections



Tool application chart

Compression joints for full-tension connections from Aldrey conductors to DIN EN 50182 and Al conductors to DIN EN 50182, 120-300 mm²

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
	25 - 95	K18		238	325	⬡
	25 - 185	K22		240	330	⬡
Hand hydraulic crimping tools	25 - 95	HK6018		280	325	⬡
		HK60UNV	+UA18	465	325	⬡
	25 - 185	HK6022		282	330	⬡
		HK60UNV	+UA22	465	330	⬡
		HK12030		286	336	⬡
		HK12042		288	336	⬡
		HK120U		290	336	⬡
	150 - 300	HK45		309	342	⬡
Battery powered crimping tools	25 - 95	EK505		258	321	⬡
		EK5018		260	325	⬡
		EK60UNV	+UA18	468	325	⬡
		EKM60UNV	+UA18	467	325	⬡
	25 - 185	EK6022		264	330	⬡
		EKM6022		262	330	⬡
		EK60UNV	+UA22	468	330	⬡
		EKM60UNV	+UA22	467	330	⬡
		EK12032		270	336	⬡
		EK12042		272	336	⬡
		EK120U		274	336	⬡
		EK135FT	+UA15T	276	336	⬡
		EK120UNV	+UA12T	469	336	⬡
Hydraulic crimping systems	25 - 95	THK18		294	325	⬡
	25 - 185	THK22		296	330	⬡
	25 - 300	HK252		308	336 + 340	⬡
Hydraulic crimping heads	25 - 95	PK18		294	325	⬡
		PK60UNV	+UA18	466	325	⬡
	25 - 185	PK22		296	330	⬡
		PK60UNV	+UA22	466	330	⬡
		PK12042		300	336	⬡
		PK120U		302	336	⬡
	25 - 300	PK252		304	336 + 340	⬡
	150 - 300	PK45		306	342	⬡



Tool application chart

Compression joints for non-tension connections from Al/St. cables and full-tension connections to DIN 48085, part 3 for Al/St. cables to DIN EN 50182

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	25/4 - 120/20	K22		240	331	⬡
Hand hydraulic crimping tools	25/4 - 120/20	HK6022		282	331	⬡
		HK60UNV	+UA22	465	331	⬡
		HK12030		286	336	⬡
		HK12042		288	336	⬡
		HK120U		290	336	⬡
Battery powered crimping tools	25/4 - 120/20	EK6022		264	331	⬡
		EKM6022		262	331	⬡
		EK60UNV	+UA22	468	331	⬡
		EKM60UNV	+UA22	467	331	⬡
		EK12032		270	336	⬡
		EK12042		272	336	⬡
		EK120U		274	336	⬡
		EK135FT	+UA15T	276	336	⬡
		EK120UNV	+UA12T	469	336	⬡
Hydraulic crimping systems	25/4 - 120/20	THK22		296	331	⬡
		HK252	+25A13	308	336	⬡
Hydraulic crimping heads	25/4 - 120/20	PK22		296	331	⬡
		PK60UNV	+UA22	466	331	⬡
		PK12042		300	336	⬡
		PK120U		302	336	⬡
		PK252	+25A13	304	336	⬡

CONNECTED - COMPRESSION CABLE LUGS MADE FROM ALUMINIUM AND COPPER

Two components reliably connected. Copper and aluminium have different material properties. That's not always a good thing. Our compression cable lugs and connectors made from aluminium and copper are intricately produced by special processes and join together what belongs together. No matter which material you use: Your contacts are reliable with Klauke.

In brief

- Simple processing based on DIN standards
- Reliable connection of copper and aluminium, even in contact with water
- Special manufacturing methods ensure high quality
- Also suitable for sector shaped conductors and wires

As good as always

Cable lugs and connectors made from aluminium and copper can be processed in exactly the same way as DIN standard aluminium cable lugs. No special tools are required, you simply use the right Klauke dies. And so the result is as good as always.

- For round and sector shaped conductors to DIN EN 60228 and aluminium wires to DIN 50182
- No additional costs for new crimping dies
- Reliable connection by preventing contact corrosion

Numerous versions available

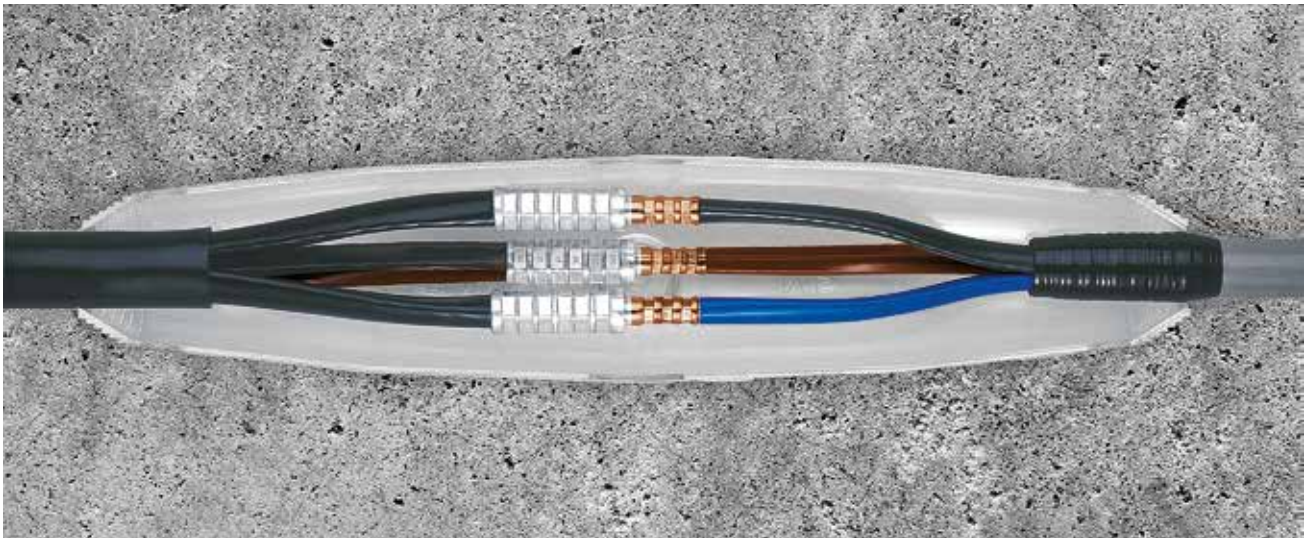
The great thing about the broad Klauke range is: You can select the suitable cable lug for your project and optimally process your choice using the Klauke tools. Everything fitting together.

- Processing as usual with standard aluminium cable lugs
- Different versions available, for instance, as a cable lug with a copper eye or Cupal washers or as a rotational friction welded cable lug

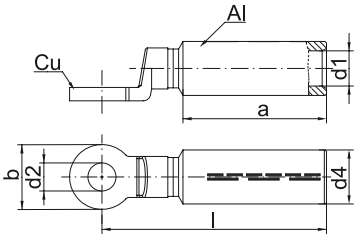
Well connected in every situation

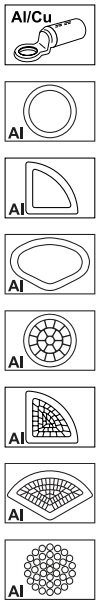
Reduction compression joints enable aluminium conductors to be integrated into copper-containing systems. They connect the two different materials regardless of the physical cable dimensions.

- Suitable for round or sector shaped conductors
- Suitable for multi-stranded and single-stranded sector shaped conductors



Compression cable lugs, Al/Cu





- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium open wires to DIN EN 50182 and pre-rounded sector shaped conductors
- Tube dimension to DIN 46329
- With code number for clear tool assignment
- Filled with contact grease for optimum crimp results

Characteristics

- For connecting non-tensioned aluminium conductors to copper connections in humid environments and outdoors
- Barrier design with oil stop and solid copper palm
- With crimp markings for correct crimp positioning
- Internal chamfer for simple cable insertion

Material

- E-aluminium
- Copper (EN13600)

Surface

- Bright

Technical instructions

- Tool: see page 115

Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

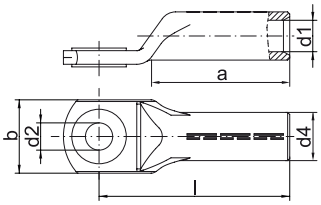
Size of bolt dia.	Part No.	Nominal cross section mm²		Code	Dimension mm						Number of crimps		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
		rm/sm	re/se		a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)			
M 8	**363R8**	16	25	12	34	24	6.0	8.5	12	68	4	2	4.4	5.9	10
M 10	**363R10**	16	25	12	34	24	6.0	10.5	12	68	4	2	4.2	5.7	10
M 8	**364R8**	25	35	12	34	24	6.8	8.5	12	68	4	2	4.4	5.8	10
M 10	**364R10**	25	35	12	34	24	6.8	10.5	12	68	4	2	4.2	5.6	10
M 12	**364R12**	25	35	12	34	24	6.8	13.0	12	68	4	2	3.9	5.3	10
M 8	**365R8**	35	50	14	43	24	8.0	8.5	14	77	5	2	4.4	6.3	10
M 10	**365R10**	35	50	14	43	24	8.0	10.5	14	77	5	2	4.2	6.1	10
M 12	**365R12**	35	50	14	43	24	8.0	13.0	14	77	5	2	3.8	5.8	10
M 8	**366R8**	50	70	16	43	25	9.8	8.5	16	77	5	2	4.4	6.4	10
M 10	**366R10**	50	70	16	43	25	9.8	10.5	16	77	5	2	4.2	6.2	10
M 12	**366R12**	50	70	16	43	25	9.8	13.0	16	77	5	2	3.9	5.9	10
M8	**367R8**	70	95	18	52	25	11.2	8.5	18.5	84.5	6	3	3.9	6.9	10
M 10	**367R10**	70	95	18	50	25	11.2	10.5	18.5	85	6	3	4.2	7.4	10
M 12	**367R12**	70	95	18	50	25	11.2	13.0	18.5	85	6	3	3.9	7.1	10
M8	**368R8**	95	120	22	56	30	13.2	8.5	22	90.5	6	3	4.1	8.0	5
M 10	**368R10**	95	120	22	50.5	30	13.2	10.5	22	90.5	6	3	7.4	11.4	10
M 12	**368R12**	95	120	22	50.5	30	13.2	13.0	22	90.5	6	3	6.8	10.8	10
M 16	**368R16**	95	120	22	50.5	30	13.2	17.0	22	90.5	6	3	6.4	10.4	10
M8	**369R8**	120	150	22	50.5	30	14.7	8.5	23	95	6	3	3.9	8.3	5
M 12	**369R12**	120	150	22	50.5	30	14.7	13.0	23	92.0	6	3	6.8	11.4	5
M 16	**369R16**	120	150	22	50.5	30	14.7	17.0	23	92.0	6	3	6.4	10.8	5
M 12	**370R12**	150	185	25	62	30	16.3	13.0	25	104.0	6	3	6.8	13.1	5
M 16	**370R16**	150	185	25	62	30	16.3	17.0	25	104.0	6	3	6.4	12.7	5
M 10	**371R10**	185	240	28	62	30	18.3	10.5	28.5	105.5	6	3	10.3	18.6	5
M 12	**371R12**	185	240	28	62	35	18.3	13.0	28.5	105.5	6	3	10.1	18.4	5
M 16	**371R16**	185	240	28	62	35	18.3	17.0	28.5	105.5	6	3	9.3	17.6	5

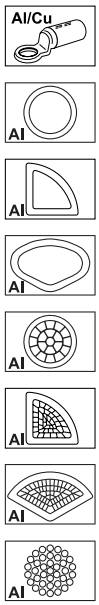
see next page

Compression cable lugs, Al/Cu

Size of bolt dia.	Part No.	Nominal cross section mm² rm/sm	Nominal cross section mm² re/se	Code	Dimension mm a	b	d1	d2	d4	l	Number of crimps Al (7 mm)	Al (wide)	Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
M 20	**371R20**	185	240	28	60	35	18.3	21.0	28.5	107.5	6	3	10.1	18.4	5
M 10	**372R10**	240	300	32	70	35	21.0	10.5	32	118.5	8	3	12.1	22.5	5
M 12	**372R12**	240	300	32	70	35	21.0	13.0	32	118.5	8	3	11.8	22.2	5
M 16	**372R16**	240	300	32	70	35	21.0	17.0	32	118.5	8	3	11.0	21.4	5
M 20	**372R20**	240	300	32	70	35	21.0	21.0	32	118.5	8	3	10.1	20.5	5
M 12	**373R12**	300	--	34	70	36	23.3	13.0	34	123.5	8	3	17.7	33.7	2
M 16	**373R16**	300	--	34	70	36	23.3	17.0	34	123.5	8	3	16.9	32.9	2
M 20	**373R20**	300	--	34	70	40	23.3	21.0	34	123.5	8	3	16.0	32.0	1
M 12	**374R12**	400	--	38	73	40	26.0	13.0	38.5	150.5	--	4	25.6	37.4	1

Compression cable lugs, Al/Cu with Cu eye





- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- Tube dimension to DIN 46329
- For pre-rounded sector shaped conductors
- Unique tool assignment due to coding
- Filled with contact grease for optimum crimp characteristics

Characteristics

- For connecting non-tension aluminium connections using Cu-washers in humid areas
- With Cu eyelet in screw-on area
- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- E-aluminium
- Copper (EN13600)

Surface

- Bright

Technical instructions

- Tool: see page 115

Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

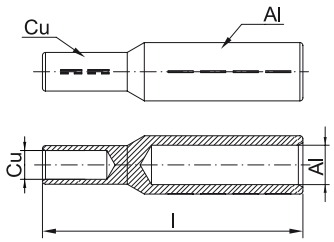
Size of bolt dia.	Part No.	Nominal cross section mm² rm/sm	Nominal cross section mm² re/se	Code	Dimension mm a	b	d1	d2	d4	l	Number of crimps Al (7 mm)	Al (wide)	Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
M 6	**302R6**	10	16	10	32	18	5.0	6.5	10	52	4	2	0.260	1.20	10
M 8	**302R8**	10	16	10	32	22	5.0	8.5	10	52	4	2	0.580	1.50	10
	303R8	16	25	12	32	22	5.8	8.5	12	52	4	2	0.600	1.95	10
M 10	**303R10**	16	25	12	32	25	5.8	10.5	12	52	4	2	0.600	2.00	10
M 8	**304R8**	25	35	12	38	22	7.0	8.5	12	60	4	2	0.625	2.00	10
M 10	**304R10**	25	35	12	38	25	7.0	10.5	12	60	4	2	0.900	2.10	10
	305R10	35	50	14	42	26	8.2	10.5	14	67	5	2	0.800	3.00	10
M 12	**305R12**	35	50	14	42	30	8.2	13.0	14	67	5	2	1.120	3.10	10
M 10	**306R10**	50	70	16	45	27	10.0	10.5	16	72	5	2	0.900	3.60	10
M 12	**306R12**	50	70	16	45	30	10.0	13.0	16	72	5	2	1.120	3.80	10
M 10	**307R10**	70	95	18	55	29	11.5	10.5	18.5	86	6	3	1.075	5.60	10

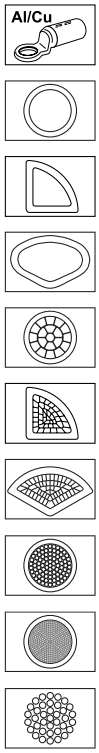
see next page

Compression cable lugs, Al/Cu with Cu eye

Size of bolt dia.	Part No.	Nominal cross section mm²		Code	Dimension mm						Number of crimps		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
		rm/sm	re/se		a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)			
M 12	**307R12**	70	95	18	55	32	11.5	13.0	18.5	86	6	3	1,300	5,70	10
M 10	**308R10**	95	120	22	55	32	13.5	10.5	22	90	6	3	1,435	10,00	5
M 12	**308R12**	95	120	22	55	35	13.5	13.0	22	90	6	3	1,735	9,50	5
M 16	**308R16**	95	120	22	55	38	13.5	17.0	22	90	6	3	2,655	10,00	5
M 12	**309R12**	120	150	22	55	35	15.0	13.0	23	91	6	3	1,810	8,70	5
M 16	**309R16**	120	150	22	55	38	15.0	17.0	23	91	6	3	2,230	8,80	5
M 12	**310R12**	150	185	25	63	35	16.5	13.0	25	103	6	3	2,025	12,20	5
M 16	**310R16**	150	185	25	63	41	16.5	17.0	25	103	6	3	2,655	12,30	5
M 12	**311R12**	185	240	28	65	40	18.5	13.0	28.5	106	6	3	2,320	15,00	5
M 16	**311R16**	185	240	28	65	42	18.5	17.0	28.5	106	6	3	4,975	15,50	5
M 20	**311R20**	185	240	28	65	46	18.5	21.0	28.5	106	6	3	4,610	15,50	5
M 12	**312R12**	240	300	32	70	45	21.0	13.0	32	116	8	3	2,750	20,00	5
M 16	**312R16**	240	300	32	70	45	21.3	17.0	32	116	8	3	3,400	21,00	5
M 20	**312R20**	240	300	32	70	49	21.3	21.0	32	116	8	3	4,600	22,00	5
M 16	**313R16**	300	--	34	75	51	23.3	17.0	34	124	8	3	3,980	21,60	1
M 20	**313R20**	300	--	34	75	51	23.3	21.0	34	124	8	3	5,510	22,20	1
M 16	**314R16**	400	--	38	95	58	26.25	17.0	38.5	165	--	4	4,200	35,00	1
M 20	**314R20**	400	--	38	95	58	26.25	21.0	38.5	165	--	4	5,950	35,00	1

Compression joints, Al/Cu





- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- For Cu round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6
- For non-tension copper cables, e.g. to DIN 48201-1
- For pre-rounded sector shaped conductors
- Tube dimension to DIN 46235 part 1 and 2
- With code number for clear tool assignment

Characteristics

- For connecting non-tension aluminium and copper conductors
- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- E-aluminium
- Copper (EN13600)

Surface

- Bright

Technical instructions

- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“
- Reduction sleeves for connecting unequal cross-sections can be found on page 68
- Tool: see page 115

Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

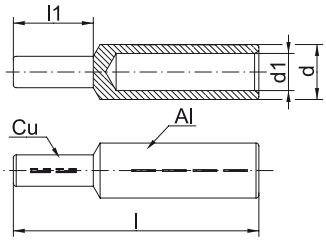
Part No.	Nominal cross section mm²			Dimension mm			Code		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
	Al rm/sm	Al re/se	Cu re/rm/se/sm	l	Inner dia. Al	Inner dia. Cu	Al	Cu			
322R10	10		10	55.0	5.0	4.5	10	6	0.212	1.100	4
322R16	10		16	61.0	5.0	5.4	10	8	0.714	1.550	4
323R10	16		10	55.0	6.0	4.5	12	6	0.212	1.500	4
323R16	16		16	61.0	6.0	5.4	12	8	0.714	1.750	4
324R10	25	35	10	55.0	6.8	4.5	12	6	0.212	1.400	4
324R16	25	35	16	61.0	6.8	5.5	12	8.0	0.714	1.650	4
324R25	25	35	25	63.0	6.8	7.0	12	10	0.892	1.900	4
324R35	25	35	35	63.0	6.8	8.2	12	12.0	1.624	2.000	4
324R50	25	35	50	72.0	6.8	10.0	12	14	2.362	3.500	4
324R416	25/4	35	16	61.0	7.6	5.5	12	8.0	0.714	1.600	4
325R16	35	50	16	71.0	8.0	5.5	14	8.0	0.714	2.500	4
325R25	35	50	25	71.0	8.0	7.0	14	10	0.892	2.650	4
325R35	35	50	35	71.0	8.0	8.2	14	12.0	1.519	3.300	4
325R50	35	50	50	77.0	8.0	10.0	14	14.0	2.362	3.530	4
325R616	35/6	50	16	71.0	9.0	5.5	14	8.0	0.714	2.450	4
325R625	35/6	50	25	71.0	9.0	7.0	14	10	0.892	2.600	4
325R635	35/6	50	35	71.0	9.0	8.2	14	12.0	1.624	3.250	4
326R16	50	70	16	71.5	9.8	5.5	16	8.0	0.714	2.850	4
326R25	50	70	25	71.5	9.8	7.0	16	10	0.892	3.200	4
326R35	50	70	35	71.5	9.8	8.2	16	12.0	1.624	3.800	4
326R50	50	70	50	77.5	9.8	10.0	16	14.0	2.362	4.550	4
327R16	70	95	16	79.0	11.2	5.5	18.5	8.0	0.714	4.100	4

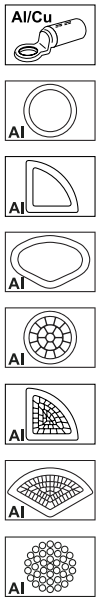
see next page

Compression joints, Al/Cu

Part No.	Nominal cross section mm²			Dimension mm			Code		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
	Al rm/sm	Al re/se	Cu re/rm/se/sm	l	Inner dia. Al	Inner dia. Cu	Al	Cu			
327R25	70	95	25	79.0	11.2	7.0	18,5	10	0.892	3.950	4
327R35	70	95	35	79.0	11.2	8.2	18	12	1.624	4.900	4
327R50	70	95	50	85.0	11.2	10.0	18	14	2.362	5.700	4
327R70	70	95	70	85.0	11.2	11.5	18	16	2.921	7.250	4
327R95	70	95	95	95.0	11.2	13.5	18	18	4.957	9.360	4
327R120	70	95	120	99.0	11.2	15.5	18	20	5.640	10.540	4
328R16	95	120	16	79.0	13.2	5.5	22	8	0.714	6.150	4
328R25	95	120	25	79.0	13.2	7.0	22	10	0.892	6.300	4
328R35	95	120	35	79.0	13.2	8.2	22	12	1.519	6.800	4
328R50	95	120	50	85.0	13.2	10.0	22	14	2.362	8.050	4
328R70	95	120	70	87.0	13.2	11.5	22	16	3.105	8.200	4
328R95	95	120	95	95.0	13.2	13.5	22	18	4.957	10.350	4
328R120	95	120	120	95.0	13.2	15.5	22	20	5.640	11.550	4
329R35	120	150	35	81.0	14.7	8.2	22	12	1.519	7.600	4
329R50	120	150	50	87.0	14.7	10.0	22	14	2.362	7.900	4
329R70	120	150	70	89.0	14.7	11.5	22	16	3.105	8.500	4
329R95	120	150	95	97.0	14.7	13.5	22	18	4.857	11.000	4
329R120	120	150	120	97.0	14.7	15.5	22	20	5.640	10.280	4
330R16	150	185	16	95.5	16.3	5.4	25	8	0.714	7.800	4
330R25	150	185	25	95.5	16.3	6.8	25	10	0.892	8.000	4
330R35	150	185	35	95.5	16.3	8.2	25	12	1.624	8.400	4
330R50	150	185	50	98.5	16.3	10.0	25	14	2.362	10.200	4
330R70	150	185	70	99.5	16.3	11.5	25	16	3.105	10.350	4
330R95	150	185	95	107.5	16.3	13.5	25	18	4.957	12.650	4
330R120	150	185	120	107.5	16.3	15.5	25	20	5.640	13.900	4
330R150	150	185	150	114.0	16.3	17.0	25	23	8.231	16.700	4
331R50	185	240	50	99.0	18.3	10.0	28	14	2.362	12.100	1
331R70	185	240	70	100.0	18.3	11.5	28	16	3.105	13.000	1
331R95	185	240	95	108.0	18.3	13.5	28	19	4.957	14.450	1
331R120	185	240	120	108.0	18.3	15.5	28	28	5.640	13.720	1
331R150	185	240	150	113.0	18.3	17.0	28	22	8.231	19.550	1
331R185	185	240	185	116.0	18.3	19.0	28	25	9.621	21.000	1
332R50	240	300	50	110.0	21.0	10.0	32	14	2.362	16.500	1
332R70	240	300	70	111.0	21.0	11.5	32	16	3.105	18.000	1
332R95	240	300	95	119.0	21.0	13.5	32	18	4.957	19.000	1
332R120	240	300	120	119.0	21.0	15.5	32	20	5.640	20.500	1
332R150	240	300	150	124.0	21.0	17.0	32	22	8.231	23.300	1
332R185	240	300	185	127.0	21.0	19.0	32	25	9.621	25.500	1
332R240	240	300	240	128.0	21.0	21.5	32	28	12.705	30.100	1
333R120	300	--	120	119.0	23.5	15.5	34	21	5.640	27.800	1
333R150	300	--	150	124.0	23.5	17.0	34	23,5	8.234	31.100	1
333R185	300	--	185	127.0	23.5	19.0	34	25	9.621	32.700	1
333R240	300	--	240	128.0	23.5	21.5	34	28	12.705	37.500	1
333R300	300	--	300	134.0	23.5	24.5	34	32	16.099	41.700	1

Compression joints with Cu bolts, Al





- For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- For pre-rounded sector shaped conductors
- Tube dimension to DIN 46267, part 2
- Unique tool assignment due to coding

Characteristics

- For screwing non-tension aluminium conductors into copper terminals
- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- E-aluminium
- Copper (EN13600)

Surface

- Bright

Technical instructions

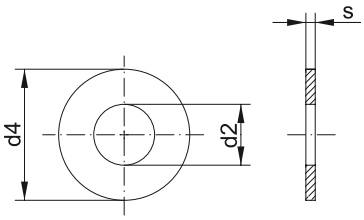
- Tool: see page 115

Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

Part No.	Nominal cross section mm²		Code	Dimension mm				Bolt mm dia.	Conductor mm dia.	Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
	rm/sm	re/se		d Ø	d1	l	l1					
344R	25	35	12	12.0	6.8	60	20	6	6.3	0.462	1.6	10
345R	35	50	14	14.0	8.0	71	22	7	7.5	0.695	2.5	10
346R	50	70	16	16.0	10.0	74	25	8	9.0	1.037	3.3	10
347R	70	95	18	18.5	11.5	87	30	10	10.5	1.958	5.4	10
348R	95	120	22	23.0	13.2	91	33	12	12.5	3.112	8.7	10
349R	120	150	22	23.0	15.0	97	38	12	14.0	3.598	9.0	10
350R	150	185	25	25.5	16.5	108	38	12	15.8	3.598	10.9	10
351R	185	240	28	28.5	18.5	116	44	14	17.5	3.692	15.7	5
352R	240	300	32	32.5	21.5	128	44	16	20.3	7.435	21.8	5
353R	300	--	34	34.5	23.5	131	46	18	22.5	9.410	26.7	1

Cupal washers



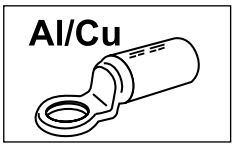
Characteristics

- Flat washer for processing aluminium and copper cable lugs
- For connecting copper conductors to aluminium in dry environments
- For connecting aluminium conductors to copper in dry environments
- Can also be used for connecting tinned aluminium cable lugs in humid environments

Material

- E-Al, one side copper plated

Size of bolt dia.	Part No.	Dimension mm			Weight 100 pcs. ~kg	Packing unit/pcs
		d2	d4	s		
M 6	**CS615**	6.5	15	2	0.06	10
M 8	**CS818**	8.5	18	2	0.09	10
M 10	**CS1022**	11.0	22	2	0.26	10
M 12	**CS1228**	13.0	28	2	0.44	10
M 14	**CS1428**	15.0	28	2	0.40	10
M 16	**CS1635**	17.0	35	2	0.66	10



Tool application chart

Compression cable lugs and connectors made from Al/Cu
The tools of the copper side of our Al/Cu compression joints you will find in the tool application chart of copper compression cable lugs and connectors acc. to DIN

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
mechanical, electrical, pneumatic crimping tools with interchangeable die / head	10-70	K354		236	317	⬡
	10-185	K18		238	325	⬡
	10-300	K22		240	330	⬡
Hand hydraulic crimping tools	10-185	HK6018		280	325	⬡
		HK60UNV	+UA18	465	325	⬡
	10-300	HK6022		282	330	⬡
		HK60UNV	+UA22	465	330	⬡
		HK12030		286	336	⬡
		HK12042		288	336	⬡
		HK120U		290	336	⬡
Battery powered crimping tools	10-70	EK354ML		250	317	⬡
		EK354		256	317	⬡
	10-185	EK5018		260	325	⬡
		EK60UNV	+UA18	468	325	⬡
		EKM60UNV	+UA18	467	325	⬡
	10-300	EK6022		264	330	⬡
		EKM6022		262	330	⬡
		EK60UNV	+UA22	468	330	⬡
		EKM60UNV	+UA22	467	330	⬡
		EK12032		270	336	⬡
		EK12042		272	336	⬡
		EK120U		274	336	⬡
		EK135FT	+UA15T	276	336	⬡
		EK120UNV	+UA12T	469	336	⬡
	50-240	EKM60ID		268		◡
Hydraulic crimping systems	10-185	THK18		294	325	⬡
	10-300	THK22		296	330	⬡
	10-500	HK252	+25A13	308	336 + 340	⬡
	150-500	HK45		309	342	⬡
Hydraulic crimping heads	10-185	PK18		294	325	⬡
		PK60UNV	+UA18	466	325	⬡
	10-300	PK22		296	330	⬡
		PK60UNV	+UA22	466	330	⬡
		PK12042		300	336	⬡
		PK120U		302	336	⬡
	10-500	PK252	+25A13	304	336 + 340	⬡
	150-500	PK45		306	342	⬡

UNCOMPLICATED – CLAMPS AND SCREW CONNECTORS

Simple connecting of dissimilar materials and cross-sections. Made possible by Klauke clamps and screw connectors: They suit all standard sizes and materials. In compliance with the specified safety measures, compact tab connectors, for instance, can be installed even when live. All very straightforward.

In brief

- Simple branching without having to cut the main conductor with Klauke H and C clamps
- H clamps to DIN EN 50164-1 short-circuit current tested
- Also available in a barrier version for Al/Cu connections

Continuously connected

Save yourself the trouble, the conductor does not need to be cut. Various nominal cross-sections can be clamped with multi-purpose clamps.

- Flexible due to the large cross-sectional range, C-clamps from 2.5 mm² to 185 mm² nominal cross-sections, H-clamps from 70 mm² nominal cross-section
- Efficient connections, without having to cut the main conductor.
- Straightforward connection of various cross-sections.

Screwing instead of crimping

Connect the conductors using screws. Why? Because no special tools are needed. Screws are available for every application. To make sure they last, all our screw connectors are produced from high-quality materials. Simply an efficient solution!

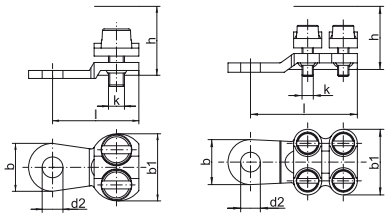
- Connections from 2.5 mm² to 185 mm² nominal cross-section
- No special tool required
- The right screw solution to suit a host of requirements
- For aluminium and copper conductors
- For round and sector shaped conductors
- For conductors and wires

Clamps for continuous supply

We don't abandon your supply. With Klauke clamps, your operation can continue without outage, you carry out the installation even while live. No standstill, the operation continues.

- Especially suitable for the energy supply industry
- Can be installed while live
- Main conductor remains intact
- Different versions available for 3 and 4 core cables

Punched cable lugs, Cu



For connecting of round conductors to DIN EN 60228 Cl. 1 and 2, for example in lightning protection areas

Characteristics
- Also for outdoor assembly
- Available with 2 or 4 screws

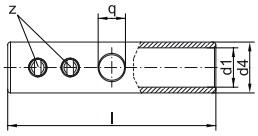
Material
- Copper (ETP)
- Screws: DIN 84 / DIN 933 bronze, F 60

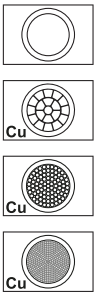
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Possible as a special bright version on request. Part Number appendix „BK“

Nominal cross section mm²	Part No.	Dimension mm						Number of screws	Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
		b	b1	d2	k	h	l				
6 - 10	**572R6**	15.0	18.0	6.5	M4	10	23.0	2	4	1.30	50
10 - 16	**573R6**	15.0	20.5	6.5	M5	14	27.0	2	6	1.30	50
	573R8	15.0	20.5	8.5	M5	14	27.0	2	6	1.30	50
16 - 25	**574R8**	15.0	25.0	8.5	M5	16	30.0	2	6	2.75	50
	584R8	18.5	22.5	8.5	M5	16	36.0	4	6	3.70	25
	584R10	19.5	22.5	10.5	M5	16	37.0	4	6	3.75	25
25 - 35	**575R8**	18.5	24.0	8.5	M5	16	25.5	2	6	2.50	50
	585R8	18.5	24.0	8.5	M5	16	38.5	4	6	4.30	25
	585R10	21.5	24.0	10.5	M5	16	42.0	4	6	4.65	25
	585R12	21.5	24.0	13.0	M5	16	42.0	4	6	4.50	25
35 - 50	**586R10**	19.0	28.0	10.5	M6	19	46.0	4	8	6.75	25
	586R12	21.0	28.0	13.0	M6	19	47.0	4	8	6.70	25
50 - 70	**587R10**	23.5	31.0	10.5	M6	19	51.0	4	8	9.35	10
	587R12	23.5	31.0	13.0	M6	19	51.0	4	8	9.30	10
70 - 95	**588R10**	24.0	34.0	10.5	M6	25	57.0	4	8	12.00	10
	588R12	24.0	34.0	13.0	M6	25	57.0	4	8	11.85	10
95 - 150	**589R10**	30.0	42.0	10.5	M8	32	61.0	4	20	20.15	10
	589R12	30.0	42.0	13.0	M8	32	61.0	4	20	20.20	10
	589R16	30.0	42.0	17.0	M8	32	61.5	4	20	20.10	10
150 - 240	**590R10**	34.0	48.5	10.5	M8	32	68.5	4	20	24.40	5
	590R12	34.0	48.5	13.0	M8	32	68.5	4	20	24.35	5
	590R16	34.0	48.5	17.0	M8	32	68.5	4	20	24.30	5
185 - 300	**592R12**	32.0	50.0	13.0	M8	37	68.5	4	20	27.95	5
	592R16	32.0	50.0	17.0	M8	37	68.5	4	20	28.00	5

Tubular soldering sleeves, CuZn





- For round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6
- Processed without using a crimping tool

Characteristics

- Simple processing due to fixed screws and solder hole

Material

- CuZn 40 Pb 2
- Screws: Steel to DIN 551

Surface

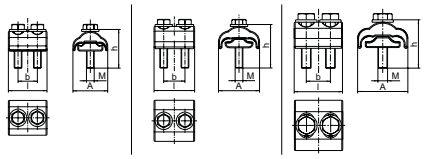
- Tin-plated to protect against corrosion

Technical instructions

- A connection needs to be soldered

Nominal cross section mm²	Part No.	Dimension mm				Number of set screws z	Weight/pcs. ~kg	Packing unit/pcs
		d1	d4	l	Diameter q			
6	**551R**	3.5	7	25	3.3	2	0.60	10
10	**552R**	4.5	6	30	3.3	2	1.20	10
16	**553R**	5.5	10	40	4.2	4	1.90	10
25	**554R**	7.0	12	45	4.2	4	2.85	10
35	**555R**	8.5	13	45	5.0	4	3.00	10
50	**556R**	10.0	15	48	5.0	4	4.00	10
70	**557R**	12.0	18	52	6.8	4	6.30	10
95	**558R**	13.5	20	55	6.8	4	8.05	10
120	**559R**	15.0	22	60	6.8	4	9.90	10

Parallel groove clamps, Cu, 2 screws



- For screwing conductorsacc. to DIN EN 60228 Cl. 1 and 2
- For non-tension copper cables acc. to DIN 48201 part 1

Characteristics

- Also for outdoor assembly
- Version with 2 screws

Material

- Copper (ETP)
- Screws: V2A

Surface

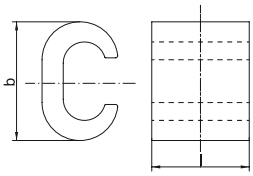
- Bright

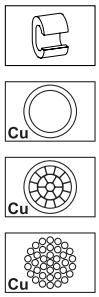
Technical instructions

- When connecting cross sections 95, 120 and 150 mm² two power branch clamps are to be used due to the current carrying capacity.

Nominal cross section mm²	Part No.	Dimension mm			A	M	Torque Nm	Weight/pcs. ~kg	Packing unit/ pcs
		b	h	l					
6 - 70	**SAK670**	36	40	40	20	M8	23	18,16	5
10 - 95	**SAK1095**	42,5	45	42	22	M8	20	24,15	5
16 - 150	**SAK16150**	52	50	50	25	M10	39	39,25	5

Branch clamps in C-type, Cu





- For non-tension copper cables, e.g. to DIN 48201-1
- Ideal for clamping identical conductor cross-sections e.g. to VDE 60228 Cl. 1 and 2
- No need to cut the main conductor

Material
- Copper (ETP)

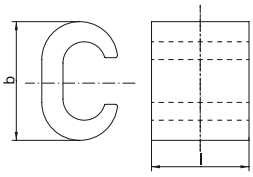
Surface
- Tin-plated to protect against corrosion

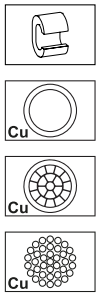
Technical instructions
- Optimum conducting characteristics in combination with compound
- Tool: see page 133

Additional information
- Part Number appendix for bright version „BK“
- rm = round multi-stranded; re = round single solid
- * = Also suitable for 25 mm² round solid

Part No.	Hint	Cross section main conductor mm² rm/re		Hint	Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
		Main conductor	Tab conductor		b	l		
CK16		16/25	16/25		16.0	15	0.94	25
CK25	*	25/35	25/35	*	20.2	16	1.68	25
CK35		35/50	35/50		25.7	22	3.42	25
CK50		50/-	50/-		28.0	23	4.88	25
CK70		70/-	70/-		34.16	28	9.69	10
CK95		95/-	95/-		35.0	25	7.30	10

Branch clamps in C-type, Cu, multi-purpose clamps





- For non-tension copper cables, e.g. to DIN 48201-1
- Ideal for clamping non-identical conductor cross-sections e.g. to VDE 60228 Cl. 1 and 2
- No need to cut the main conductor

Material
- Copper (ETP)

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Optimum conducting characteristics in combination with compound
- Tool: see page 133

Additional information
- Part Number appendix for bright version „BK“
- rm = round multi-stranded; re = round single solid

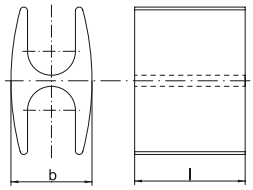
Part No.	Cross section main conductor mm² rm/re		Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
	Main conductor	Tab conductor	b	l		
MCK1010	6 - 10/10	4 - 6/4 - 10	11.8	12	0.460	25
MCK1016	10 - 16/16	4 - 10/4 - 10	19.1	17	1.900	25
MCK1025	16 - 25/25	4 - 10/4 - 10	19.3	17	1.900	25
MCK3535	16 - 25/25 - 35	16 - 25/16 - 35	20.4	17	1.750	25
MCK2550	35/50	4 - 25/4 - 25	24.6	23	4.400	25
MCK5050	35/50	16 - 35/25 - 50	26.5	23	4.200	25
MCK3570	50 - 70/-	4 - 35/4 - 35	33.8	28	10.700	10

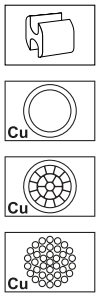
See next page

Branch clamps in C-type, Cu, multi-purpose clamps

Part No.	Cross section main conductor mm² rm/re		Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
	Main conductor	Tab conductor	b	l		
MCK3595	95/-	16 - 35	41.0	30	15.000	10
MCK7095	95/-	35 - 70	41.0	30	14.000	10
MCK120120	120/-	35 - 120	45.0	30	16.550	10
MCK150150	150/-	70 - 150	53.0	35	23.000	5
MCK185185	185/-	95 - 185	60.0	40	33.000	5

Branch clamps in H-type, Cu





- For non-tension copper cables, e.g. to DIN 48201-1
- Ideal for clamping identical conductor cross-sect. e.g. to DIN EN 60228 Cl. 1 and 2
- Lightning protection tested to EN 50164-1
- No need to cut the main conductor

Characteristics
- H-shape allows simple processing
- Optimum conducting characteristics when used with compound

Material
- Copper (ETP)

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 134

Additional information
- Part Number appendix for bright version „BK“
- * = To EN 50164-1 lightning current tested

Part No.	Cross section main conductor mm² rm/re		Hint	Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
	Main conductor	Tab conductor		b	l		
AH7070	70	70	*	17.0	28.0	6.5	25
AH9595	95	95		22.0	30.0	10.0	25
AH120120	120	120		24.0	25.0	9.8	25

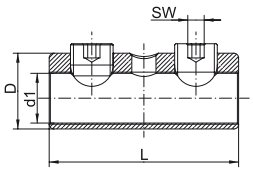
Compound for branch clamps

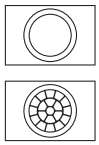
- Optimum conductivity properties for processing aluminium cable lugs and connectors and branch clamps (C and H-type)

Characteristics
- Water-resistant, with corundum for destroying the oxidation layer
- Content/tin: 0.125 kg

Part No.
KF125

Screw connectors for shielded copper wires





- For connecting different conductor types and materials, e.g. to DIN EN 60228 Class 1 and 2
- Ideal for connecting identical and different conductor cross-sections
- Suitable cross-section range for example shielded copper wires

Characteristics
- Special groove profile inside to destroy the oxidation layer when crimping
- With inspection hole for monitoring full cable insertion

Material
- Insulated body: brass (CuZn)
- Screws: stainless steel, tin-plated

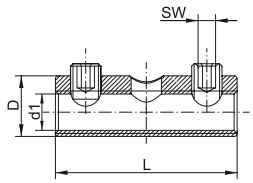
Surface
- Tin-plated to protect against corrosion

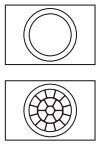
Technical instructions
- Refer to the installation instructions in the technical appendix on page i-8

Additional information
- rm = round multi-stranded; re = round single solid

Part No.	Nominal cross section mm²		Dimension mm				Torque Nm	Weight/pcs. ~kg	Packing unit/ pcs
	re	rm	D	d1	L	AF			
SV100	6 - 35	6 - 25	14	7.2	40	4	10	3.9	4

Screw connectors for street lighting





- For connecting different conductor types and materials, e.g. to DIN EN 60228 Class 1 and 2
- Ideal for connecting identical and different conductor cross-sections
- Suitable cross-section range for street lighting

Characteristics
- Special groove profile inside to destroy the oxidation layer when crimping
- With inspection hole for monitoring full cable insertion

Material
- Insulated body: brass (CuZn)
- Screws: stainless steel, tin-plated

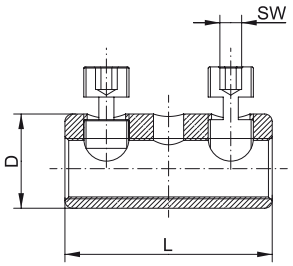
Surface
- Either bright or tin-plated

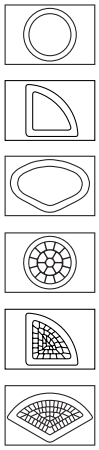
Technical instructions
- Refer to the installation instructions in the technical appendix on page i-8

Additional information
- rm = round multi-stranded; re = round single solid

Part No.	Nominal cross section mm²		Dimension mm				Torque Nm	Weight/pcs. ~kg	Packing unit/ pcs
	re	rm	D	d1	L	AF			
With threaded pin, tin-plated									
SV200	1.5 - 16	1.5 - 16	10	5.5	30	2.5	4	1.35	4
With threaded pin, bright finished									
SV200BK	1.5 - 16	1.5 - 16	10	5.5	30	2.5	4	1.35	4

Screw connector with 2 screws





- For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- Ideal for connecting identical and different conductor cross-sections
- Reliable processing due to cable insertion control (dissimilar materials must not come into contact)

Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Either with threaded pin or shear head, shear head partly fixed
- Version with 2 screws

Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

Surface

- Either bright or tin-plated

Technical instructions

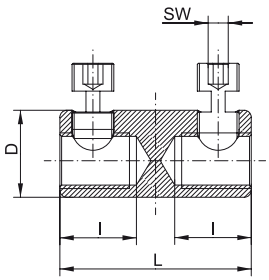
- Refer to the installation instructions in the technical appendix on page i-8

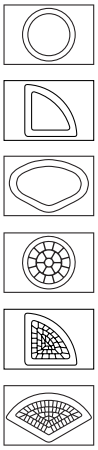
Additional information

- * = fixed version, Part Number appendix „NL“
- **= version with fixed countersink shear head, Part Number appendix „VK“
- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, (r) = pre-rounded, (v) = compacted

Part No.	Nominal cross section mm²				Hint	Dimension mm			Torque Nm	Weight/ pcs. ~kg	Packing unit/pcs
	re	rm	se	sm		D	L	AF			
With threaded pin, bright finished											
SV303	6 - 35	6 - 25, Cu 2.5 - 50 (v)	--	Cu 2.5 - 35		14	40	4	8	1.5	4
SV300	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16.5	40	4	9	1.7	4
SV301	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	55	5	20	6.6	4
SV308	25 - 150	25 - 150	50 - 150 (90°), 50 - 150 (120°)	--		28	70	6	25	11.3	4
SV302	35 - 50	35 - 185	50 - 185 (90°)	35 - 150		32	80	6	25	16	4
Without threaded pin, bright finished											
SV303V	6 - 35	6 - 25, Cu 2.5 - 50 (v)	--	Cu 2.5 - 35		14	40	4	8	1.5	4
SV300V	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16.5	40	4	9	1.7	4
SV307V	50 - 70	10 - 70	50 - 70	35 - 70, 35 - 70		22	57	5	15	4.7	4
SV301V	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	55	5	20	6.6	4
SV302V	35 - 50	35 - 185	50 - 185 (90°)	35 - 150		32	80	6	25	16	4
With shear head, bright finished											
SV303AK	6 - 35	6 - 25	--	--	*	14	40	4	8	1.5	4
SV303AKNL	6 - 35	6 - 25, Cu 2.5 - 50 (v)	--	Cu 2.5 - 35	*	14	40	4	8	1.5	4
SV304AKNL	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16.5	40	4	9	1.7	4
SV307AKNL	10 - 70	10 - 70	50 - 70	35 - 70, 35 - 70		22	57	5	15	4.7	4
SV301AK	16 - 95	16 - 95	50 - 95, 50 - 150 (120°)	35 - 95 (r), 35 - 150		25	55	5	20	6.6	4
SV302AK	35 - 50	35 - 185	50 - 185 (90°)	35 - 150		32	80	6	25	16	4
With shear head, tin - plated											
SV304AKNLV	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16.5	40	4	9	1.7	4
SV301AKV	16 - 95	16 - 95	50 - 95	35 - 70, 35 - 95 (r)	**	25	55	5	20	6.6	4
SV302AKV	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150		32	80	6	25	16	4

Screw connector with barrier





- For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- Ideal for connecting identical and different conductor cross-sections

Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Either with threaded pin or shear head, shear head partly fixed
- Version with 2 screws and barrier

Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

Surface

- Either bright or tin-plated

Technical instructions

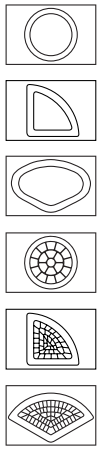
- Refer to the installation instructions in the technical appendix on page i-8

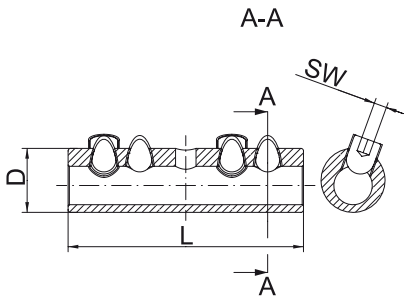
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, (r) = pre-rounded, (v) = compacted

Part No.	Nominal cross section mm²				Hint	Dimension mm				Torque Nm	Weight/ pcs. ~kg	Packing unit/pcs
	re	rm	se	sm		D	l	L	AF			
With threaded pin, bright finished												
SV315	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16	17.5	40	4	9	1.7	4
SV309	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	22	55	5	20	6.6	4
SV320	25 - 150	25 - 150	50 - 150 (90°), 50 - 150 (120°)	35 - 150		28	31	70	6	25	11.3	4
SV310	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)		32	32	80	6	25	16	4
With threaded pin, tin-plated												
SV315V	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16	17.5	40	4	9	1.7	4
SV309V	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	22	55	5	20	6.6	4
SV320V	25 - 150	25 - 150	50 - 150 (90°), 50 - 150 (120°)	--		28	31	70	6	25	11.3	4
SV310V	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)		32	32.5	80	6	25	16	4
With shear head, bright finished												
SV311AKNL	6 - 35	6 - 25, Cu 2.5 - 50 (v)	--	Cu 2.5 - 35		14	17.5	40	4	8	1.5	4
SV312AKNL	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16	17.5	40	4	9	1.7	4
SV309AK	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70		25	22	55	5	20	6.6	4
SV310AK	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)		32	32.5	80	6	25	16	4
With shear head, tin-plated												
SV312AKNLV	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 50 Al 10 - 50	Cu 2.5 - 35 Al 10 - 35	Cu 2.5 - 35 Al 10 - 35		16	17.5	40	4	9	1.7	4
SV319AKNLV	10 - 70	10 - 70	50 - 70	35 - 70		22	24	57	5	15	7.6	4
SV309AKV	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70	*	25	22	55	5	20	6.6	4
SV310AKV	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)	*	32	32.5	80	6	25	16	4

Screw connector with 4 screws





- For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- Ideal for connecting identical and different conductor cross-sections
- Reliable processing due to cable insertion control (dissimilar materials must not come into contact)

Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Available with threaded pin or shear head
- Version with 4 screws

Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

Surface

- Either bright or tin-plated

Technical instructions

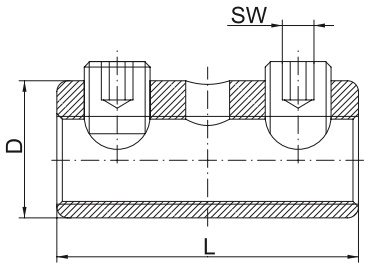
- Refer to the installation instructions in the technical appendix on page i-8

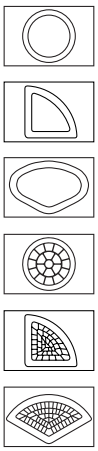
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded

Part No.	Nominal cross section mm²				Dimension mm			Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
	re	rm	se	sm	D	L	AF			
With threaded pin, bright finished										
SV305	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70	25	92	5	20	12	4
SV306	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 185 (r)	32	108	6	25	25	4
With threaded pin, tin-plated										
SV305V	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70	25	92	5	20	12	4
SV306V	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150, 35 - 185 (r)	32	108	6	25	25	4
With shear head, bright finished										
SV305AK	16 - 95	16 - 95	50 - 95	35 - 70, 35 - 70 (r)	25	92	5	20	12	4
SV306AK	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150, 35 - 185 (r)	32	108	6	25	25	4
With shear head, tin-plated										
SV305AKV	16 - 95	16 - 95	50 - 95	35-95 (r), 35-70	25	92	5	20	12	4
SV306AKV	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150, 35 - 185 (r)	32	108	6	25	25	4

Insulated screw connector





- For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- Ideal for connecting identical and different conductor cross-sections
- Reliable processing due to cable insertion control (dissimilar materials must not come into contact)

Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Insulated body
- Version with 2 screws, without barrier
- Available with threaded pin or shear head

Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

Surface

- Either bright or tin-plated

Technical instructions

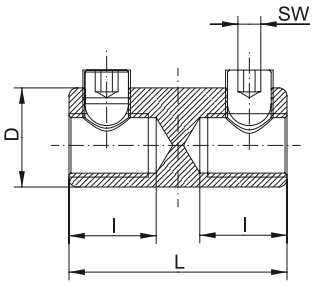
- Refer to the installation instructions in the technical appendix on page i-8

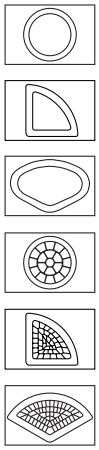
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded

Part No.	Nominal cross section mm²				Dimension mm			Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
	re	rm	se	sm	D	L	AF			
With threaded pin, bright finished										
SV400	6 - 35	6 - 25	50 - 70 (120°)	35 - 70	14	60	4	8	1.7	4
SV410	16-95	16-95	50-95	35-95 (r), 35-70	28.2	58.2	5	20	6	4
With threaded pin, tin-plated										
SV405V	10 - 70	10 - 70	50 - 70, 50 - 150 (120°)	35 - 70, 35 - 150	25	87	5	15	5	4
SV420V	35 - 50	35 - 185	50 - 185 (90°)	35 - 185 (r)	36	84	6	25	14.5	4
With shear head, bright finished										
SV410AK	16-95	16-95	50-95	35-95 (r), 35-70	28.2	58.2	5	20	6	4

Screw connector with barrier





- For connecting various conductor types and materials, e.g. to DIN EN 60228 Cl. 1 and 2
- Ideal for connecting identical and different conductor cross-sections

Characteristics

- Special groove profile inside to destroy the oxidation layer when crimping
- Insulated body
- Either with threaded pin or shear head, shear head partly fixed
- Version with 2 screws and barrier

Material

- Insulated body: high-tensile aluminium alloy
- Screws: copper alloy, tin-plated

Surface

- Either bright or tin-plated

Technical instructions

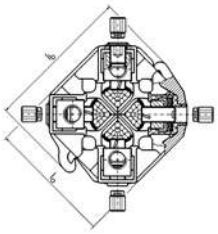
- Refer to the installation instructions in the technical appendix on page i-8

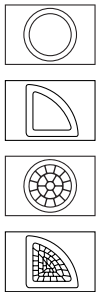
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, (r) = pre-rounded, (v) = compacted

Part No.	Nominal cross section mm²				Dimension mm				Torque Nm	Weight/ pcs. ~kg	Packing unit/pcs
	re	rm	se	sm	D	l	L	AF			
With threaded pin, bright											
SV430	16-50	16-95	50 - 70 (120°), 50 - 95 (90°)	35 - 70, 35 - 95 (r)	28.2	23.6	58.2	5	20	6.6	4
With shear head, bright											
SV430AK	16 - 50	16 - 95	50 - 70 (120°), 50 - 95 (90°)	35 - 70, 35 - 95 (r)	28.2	23.6	58.2	5	20	6.6	4
SV440AK	35 - 50	35 - 185	50 - 150 (120°), 50 - 185 (90°)	35 - 150, 35 - 185 (r)	36	34.5	84	6	25	16.0	4

Compact tap connectors with shear heads, four conductor cables





- Suitable for main and branch conductors made from Al and Cu
- No need to cut the main conductor
- For use e.g. with energy suppliers

Characteristics

- VDE: can be installed under voltage with corresponding fully insulated assembly tools
- With shear heads for the main conductor, fixed

Technical instructions

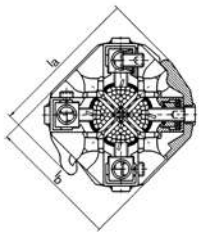
- A mounting instruction is included with every clamp

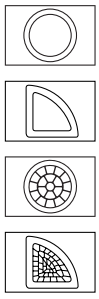
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded
- Creepage and elongation processes are compensated for by spring washers
- Sequence of contacting can be freely determined

Part No.	Main conductor		Tap conductor		Dimension mm				Torque Nm	Weight/pcs. ~kg	Packing unit/pcs
	se	sm	se	sm	la	lb	Width	AF			
KSK1504	70 - 150	150	95 (r)	6-70 (r)	107	90	50	20	20	0.63	1
KSK1854	185	70-150	50	6-35	107	90	52	20	20	0.58	1

Compact tap connectors, four conductor cables, for main conductor 25 - 50 mm²





- Suitable for main and branch conductors made from Al and Cu
- No need to cut the main conductor
- For use e.g. with energy suppliers

Characteristics

- VDE: can be installed under voltage with corresponding fully insulated assembly tools

Technical instructions

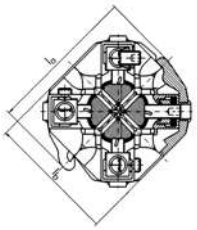
- A mounting instruction is included with every clamp

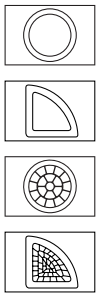
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded
- Creepage and elongation processes are compensated for by spring washers
- Sequence of contacting can be freely determined

Part No.	Main conductor			Tap conductor		Dimension mm				Torque Nm	Weight/ pcs. ~kg	Packing unit/pcs
	se	sm	rm	se	sm	la	lb	Width	AF			
KSK504	Cu 25 - 50, Al 35 - 50	Cu 25 - 50	Cu 25 - 50	50	6-35	88	75	50	5	15	0.46	1

Compact tap connectors, four conductor cables, for main conductor 70 - 185 mm²





- Suitable for main and branch conductors made from Al and Cu
- No need to cut the main conductor
- For use e.g. with energy suppliers

Characteristics

- VDE: can be installed under voltage with corresponding fully insulated assembly tools
- With threaded pins for the main conductor

Technical instructions

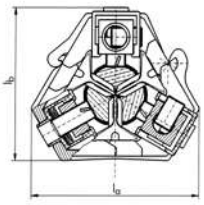
- A mounting instruction is included with every clamp

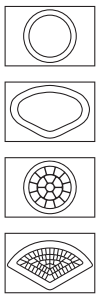
Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded
- Creepage and elongation processes are compensated for by spring washers
- Sequence of contacting can be freely determined

Part No.	Main conductor			Tap conductor			Dimension mm				Torque Nm	Weight/ pcs. ~kg	Packing unit/pcs
	se	sm	re	se	sm	rm	la	lb	Width	AF			
SKR1204	120	70 - 95		50 (r)	6 - 35 (r)		90	77	50	5	20	0.46	1
SKR150504	150	70 - 150	50	50	6 - 35		93	80	50	5	20	0.46	1
SKR1504	70 - 150	150		95 (r)	6 - 70 (r)		107	90	46	5	20	0.62	1
SKR1501504	95 - 150	150		150	16 - 120	16 - 120	118	118	93	5	20	1.34	1
SKR1854	185	95 - 150		95 (r)	6 - 70		107	96	46	5	20	0.58	1

Compact tap connectors, three conductor cables





- Suitable for main and branch conductors made from Al and Cu
- No need to cut the main conductor
- For use e.g. with energy suppliers

Characteristics

- VDE: can be installed under voltage with corresponding fully insulated assembly tools
- With threaded pins for the main conductor

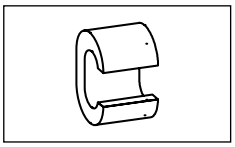
Technical instructions

- A mounting instruction is included with every clamp

Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded

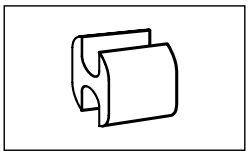
Part No.	Main conductor				Tap conductor		Dimension mm					Thread DIN 13	Weight/ pcs. ~kg	Packing unit/pcs
	se	sm	rm	re	se	sm	la	lb	Width	Bolts Circle dia.	AF			
SKR1503	70 - 150	70 - 150	70 - 150	70 - 150	6 - 70	6 - 95	84	76	45	90	5	M10x1/ M10	0.38	1



Tool application chart

C-Clamps

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	**4 - 35**	K354		236	317	⬭
	4 - 50	K18		238	325	⬭
	4 - 70	K22		240	331	⬭
Hand hydraulic crimping tools	**4 - 50**	HK6018		280	325	⬭
		HK60UNV	+UA18	465	325	⬭
	4 - 70	HK6022		282	331	⬭
		HK60UNV	+UA22	465	331	⬭
	10 - 70	HK12030		286	337	⬭
		HK12042		288	337	⬭
		HK120U		290	337	⬭
Battery powered crimping tools	**4 - 35**	EK354ML		250	317	⬭
		EK354		256	317	⬭
	4 - 70	EK505		258	321	⬭
	4 - 50	EK5018		260	325	⬭
		EK60UNV	+UA18	468	325	⬭
		EKM60UNV	+UA18	467	325	⬭
	4 - 70	EK6022		264	331	⬭
		EKM6022		262	331	⬭
		EK60UNV	+UA22	468	331	⬭
		EKM60UNV	+UA22	467	331	⬭
	10 - 70	EK12032		270	337	⬭
		EK12042		272	337	⬭
		EK120U		274	337	⬭
		EK135FT	+UA15T	276	337	⬭
		EK120UNV	+UA12T	469	337	⬭
Hydraulic crimping systems	**4 - 50**	THK18		294	325	⬭
	4 - 70	THK22		296	331	⬭
	10 - 185	HK252	+25A13	308	337 + 341	⬭
Hydraulic crimping heads	**4 - 50**	PK18		294	325	⬭
		PK60UNV	+UA18	466	325	⬭
	4 - 70	PK22		296	331	⬭
		PK60UNV	+UA22	466	331	⬭
	10 - 70	PK12042		300	337	⬭
		PK120U		302	337	⬭
	10 - 185	PK252	+25A13	304	337 + 341	⬭



Tool application chart

H-Clamps

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	**70**	K22		240	331	⬭
Hand hydraulic crimping tools	**70**	HK6022		282	331	⬭
	70 - 120	HK12030		286	337	⬭
		HK12042		288	337	⬭
		HK120U		290	337	⬭
Battery powered crimping tools	**70**	EK6022		264	331	⬭
		EKM6022		262	331	⬭
		EK60UNV	+UA22	468	331	⬭
	70 - 120	EK12032		270	337	⬭
		EK12042		272	337	⬭
		EK120U		274	337	⬭
		EK135FT	+UA15T	276	337	⬭
		EK120UNV	+UA12T	469	337	⬭
Hydraulic crimping systems	**70**	THK22		296	331	⬭
	70 - 120	HK252	+25A13	308	337 + 341	⬭
Hydraulic crimping heads	**70**	PK22		296	331	⬭
	70 - 120	PK12042		300	337	⬭
		PK120U		302	337	⬭
		PK252	+25A13	304	337 + 341	⬭

PROTECTION - CABLE END-SLEEVES, INSULATED AND NON-INSULATED

Klauke joins together what belongs together. Cable end-sleeves prevent the conductors splicing before they are connected in clamps. All wires remain together. Easy-Entry insulation speeds up the insertion of wires into the sleeve. Fine-stranded conductors in particular benefit from a special trapezoidal crimp. No splicing, no time wasted. Your conductors are protected and can be cleanly processed

In brief

- Stops conductors splicing
- Improved contact
- No risk of short-circuit due to bent strands
- Produced from high-quality copper
- Surface treatment with tin or in special versions with silver

Simple diversity

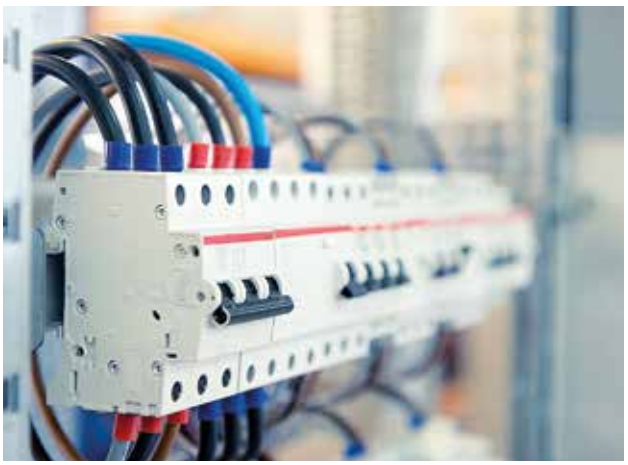
We have to admit: Cable end-sleeves are a simple product. Due to the differing crimp shapes in the range and the high-quality materials used in production, the sleeves are just incredibly good.

- Broad range: To DIN standards, for short circuit-resistant conductors, in various lengths, with and without insulating collars
- Marked to DIN colour code
- Twin cable end-sleeves for connecting in confined areas
- High-quality material for optimum conducting properties
- CSA-approved

Always the right crimp shape

We give every cable end-sleeve its perfect crimp shape. No matter where the conductor is to be laid later, we have a solution for you.

- The correct crimp shape for every connecting terminal
- Crimp shapes matched to the DIN dimensions
- For compacted conductors
- Connect without risk of short-circuit



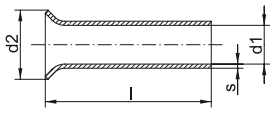
The easy-entry insulation enables fast insertion of conductors with no splicing.

Easy-Entry insulation

The special Easy-Entry insulation makes it easier to insert the conductor into the sleeves. In addition, the insulation is highly-resistant, to temperatures of up to 105 °C for example.

- Easy-Entry insulation for convenient insertion of the conductor
- Temperature-resistant to 105 °C
- No toxic vapours in case of fire
- Ageing-resistant plastic collars

Cable end-sleeves to DIN, Cu



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Optimal cable entry due to widened sleeve

Characteristics
- To DIN 46228, part 1 and similar

Material
- Copper

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 148

Additional information
- Silvered version also available, without Part Number appendix “V“, exception: Part Number 705V in silvered version = Part No. 7050
- * = not standardised

Nominal cross section mm²	Part No.	Hint	Dimension mm				Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			d1	d2	l	s		
0.25	**695V**	*	0.75	1.7	5	0.15	0.02	1000
	697V	*	0.75	1.7	7	0.15	0.03	1000
0.34	**705V**	*	0.85	1.8	5	0.15	0.02	1000
	707V	*	0.85	1.8	7	0.15	0.03	1000
0.5	**71S6V**		1.00	2.1	6	0.15	0.03	1000
	71S8V	*	1.00	2.1	8	0.15	0.04	1000
	71S10V		1.00	2.1	10	0.15	0.05	1000
0.75	**716V**		1.20	2.3	6	0.15	0.04	1000
	718V	*	1.20	2.3	8	0.15	0.05	1000
	7110V		1.20	2.3	10	0.15	0.06	1000
	7112V	*	1.20	2.3	12	0.15	0.08	1000
	7115V	*	1.20	2.3	15	0.15	0.09	1000
1	**72S6V**		1.40	2.5	6	0.15	0.04	1000
	72S8V	*	1.40	2.5	8	0.15	0.06	1000
	72S10V		1.40	2.5	10	0.15	0.07	1000
	72S12V	*	1.40	2.5	12	0.15	0.08	1000
	72S15V	*	1.40	2.5	15	0.15	0.10	1000
1.5	**726V**	*	1.70	2.8	6	0.15	0.05	1000
	727V		1.70	2.8	7	0.15	0.06	1000
	728V	*	1.70	2.8	8	0.15	0.07	1000
	7210V		1.70	2.8	10	0.15	0.09	1000
	7212V		1.70	2.8	12	0.15	0.10	1000
	7215V	*	1.70	2.8	15	0.15	0.13	1000
	7218V		1.70	2.8	18	0.15	0.15	1000
	7220V	*	1.70	2.8	20	0.15	0.17	1000
2.5	**737V**		2.20	3.4	7	0.15	0.08	1000
	738V	*	2.20	3.4	8	0.15	0.09	1000
	7310V		2.20	3.4	10	0.15	0.11	1000
	7312V		2.20	3.4	10	0.15	0.13	1000
	7315V	*	2.20	3.4	15	0.15	0.17	1000
	7318V		2.20	3.4	18	0.15	0.20	1000
	7320V	*	2.20	3.4	20	0.15	0.22	1000

See next page

Cable end-sleeves to DIN, Cu

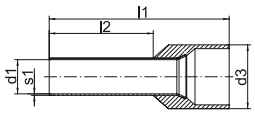
Nominal cross section mm²	Part No.	Hint	Dimension mm				Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			d1	d2	l	s		
4	**748V**	*	2.80	4.0	9	0.20	0.14	1000
	749V		2.80	4.0	9	0.20	0.16	1000
	7410V	*	2.80	4.0	10	0.20	0.17	1000
	7412V		2.80	4.0	12	0.20	0.20	1000
	7415V		2.80	4.0	15	0.20	0.27	1000
	7418V		2.80	4.0	18	0.20	0.32	1000
	7420V	*	2.80	4.0	20	0.20	0.35	1000
6	**7510V**		3.50	4.7	10	0.20	0.23	100
	7512V		3.50	4.7	12	0.20	0.27	100
	7515V		3.50	4.7	15	0.20	0.34	100
	7518V		3.50	4.7	18	0.20	0.40	100
	7520V	*	3.50	4.7	20	0.20	0.45	100
	7525V	*	3.50	4.7	25	0.20	0.56	100
10	**7610V**	*	4.5	5.8	10	0.2	0.27	100
	7612V		4.5	5.8	12	0.2	0.33	100
	7615V		4.5	5.8	15	0.2	0.41	100
	7618V		4.5	5.8	18	0.2	0.49	100
	7620V	*	4.5	5.8	20	0.2	0.55	100
	7625V	*	4.5	5.8	25	0.2	0.68	100
16	**7712V**		5.8	7.5	12	0.2	0.43	100
	7715V		5.8	7.5	15	0.2	0.53	100
	7718V		5.8	7.5	18	0.2	0.60	100
	7720V	*	5.8	7.5	20	0.2	0.70	100
	7725V		5.8	7.5	25	0.2	0.87	100
	7732V		5.8	7.5	32	0.2	1.11	100
25	**7812V**	*	7.3	9.5	12	0.2	0.80	50
	7815V		7.3	9.5	15	0.2	0.99	50
	7818V		7.3	9.5	18	0.2	1.18	50
	7820V	*	7.3	9.5	20	0.2	1.31	50
	7825V		7.5	9.5	25	0.2	1.63	50
	7828V	*	7.3	9.5	28	0.2	1.82	50
	7832V		7.3	9.5	32	0.2	2.07	50
35	**7912V**	*	8.3	11.0	12	0.2	0.90	50
	7915V	*	8.3	11.0	15	0.2	1.12	50
	7918V		8.3	11.0	18	0.2	1.34	50
	7920V	*	8.3	11.0	20	0.2	1.48	50
	7922V	*	8.3	11.0	22	0.2	1.63	50
	7925V		8.5	11.0	25	0.2	1.80	50
	7930V	*	8.3	11.0	30	0.2	2.20	50
	7932V		8.5	11.0	32	0.2	2.35	50
50	**8018V**		10.3	13.0	18	0.3	1.69	50
	8022V	*	10.3	13.0	22	0.3	2.05	50
	8025V		10.3	13.0	25	0.3	2.32	50
	8030V	*	10.3	13.0	30	0.3	2.77	50
	8032V		10.3	13.0	32	0.3	2.95	50

See next page

Cable end-sleeves to DIN, Cu

Nominal cross section mm²	Part No.	Hint	Dimension mm				Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			d1	d2	l	s		
70	**8122V**	*	12.7	15.0	22	0.4	3.31	25
	8125V	*	12.7	15.0	25	0.4	3.75	25
	8130V	*	12.7	15.0	30	0.4	4.48	25
	8132V	*	12.7	15.0	32	0.4	4.78	25
95	**8225V**	*	14.7	17.0	25	0.4	4.32	25
	8230V	*	14.7	17.0	30	0.4	5.17	25
	8232V	*	14.7	17.0	32	0.4	5.17	25
	8234V	*	14.7	17.0	34	0.4	5.84	25
120	**8330V**	*	16.7	19.0	30	0.5	7.35	25
	8332V	*	16.7	19.0	32	0.5	7.83	25
	8334V	*	16.7	19.0	34	0.5	8.31	25
	8338V	*	16.7	19.0	38	0.5	9.28	25
	8340V	*	16.7	19.0	40	0.5	9.76	25
150	**8432V**	*	18.7	21.0	32	0.5	8.75	25
	8434V	*	18.7	21.0	34	0.5	9.28	25
	8438V	*	18.7	21.0	38	0.5	10.36	25
	8440V	*	18.7	21.0	40	0.5	10.89	25
185	**8532V**	*	20.2	23.5	32	0.6	11.38	25
	8540V	*	20.2	23.5	40	0.6	14.17	25
240	**8634V**	*	23.0	26.0	34	0.5	11.25	25
	8640V	*	23.0	26.0	40	0.5	13.23	25

Insulated cable end-sleeves to DIN, with Easy-Entry



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Easy-Entry insulation for splice-free cable insertion
- Halogen-free

Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Heat resistant to 105° C

Material

- Cu-DHP
- Synthetic material: polypropylene

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 148

Additional information

- * = not standardised
- *** = quantities in one bag

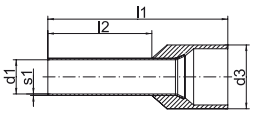
Nominal cross section mm²	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
0.5	**4696**			1.0	3.1	12	6	0.15	0.070	1000
	4698			1.0	3.1	14	8	0.15	0.070	1000
	GR4698		***	1.0	3.1	14	8	0.15	0.070	500
	46910			1.0	3.1	16	10	0.15	0.085	1000
0.75	**4706**			1.2	3.3	12	6	0.15	0.080	1000
	4708			1.2	3.3	14	8	0.15	0.080	1000
	GR4708		***	1.2	3.3	14	8	0.15	0.080	500
	47010			1.2	3.3	16	10	0.15	0.100	1000
	47012			1.2	3.3	18	12	0.15	0.105	1000
1	**4716**			1.4	3.5	12	6	0.15	0.090	1000
	4718			1.4	3.5	14	8	0.15	0.100	1000
	GR4718		***	1.4	3.5	14	8	0.15	0.100	500
	47110			1.4	3.5	16	10	0.15	0.120	1000
	47112			1.4	3.5	18	12	0.15	0.125	1000
1.5	**4726**		*	1.7	4.0	12	6	0.15	0.105	1000
	4728			1.7	4.0	14	8	0.15	0.110	1000
	GR4728		***	1.7	4.0	14	8	0.15	0.110	500
	47210			1.7	4.0	16	10	0.15	0.130	1000
	47212			1.7	4.0	18	12	0.15	0.150	1000
	47218			1.7	4.0	24	18	0.15	0.190	1000
2.5	**4738**			2.2	4.7	14	8	0.15	0.150	1000
	GR4738		***	2.2	4.7	14	8	0.15	0.150	500
	47312			2.2	4.7	18	12	0.15	0.200	1000
	47318			2.2	4.7	24	18	0.15	0.250	1000
4	**47410**			2.8	5.4	17	10	0.20	0.210	100
	47412			2.8	5.4	20	12	0.20	0.250	100
	47418			2.8	5.4	26	18	0.20	0.320	100
6	**47512**			3.5	6.9	20	12	0.20	0.350	100
	47518			3.5	6.9	26	18	0.20	0.460	100
10	**47612**			4.5	8.4	22	12	0.20	0.450	100
	47618			4.5	8.4	28	18	0.20	0.650	100

See next page

Insulated cable end-sleeves to DIN, with Easy-Entry

Nominal cross section mm²	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
16	**47712**			5.8	9.6	24	12	0.20	0.650	100
	47718			5.8	9.6	28	18	0.20	0.800	100
25	**47816**			7.3	12.0	30	16	0.20	1.600	50
	47818			7.3	12.0	30	18	0.20	1.700	50
	47822			7.3	12.0	36	22	0.20	2.000	50
35	**47916**			8.3	13.5	30	16	0.20	1.900	50
	47918			8.3	13.5	30	18	0.20	2.100	50
	47925			8.3	13.5	39	25	0.20	2.500	50
50	**48020**			10.3	16.0	36	20	0.30	3.300	50
	48025			10.3	16.0	40	25	0.30	3.600	50
70	**48121**		*	13.5	17.2	37	21	0.40	4.620	25
95	**48225**		*	14.5	19.2	44	25	0.40	6.000	25
120	**48327**		*	16.7	21.4	48	27	0.45	7.850	25
150	**48432**		*	19.5	25.0	58	32	0.50	12.330	25

Insulated cable end-sleeves to DIN with Easy-Entry, colour code 1



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Easy-Entry insulation for splice-free cable insertion
- Halogen-free

Characteristics
- To DIN 46228, part 4, (0.5 - 50 mm²)
- Heat resistant to 105° C

Material
- Cu-DHP
- Synthetic material: polypropylene

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 148

Additional information
- * = not standardised
- ** = quantities in one bag

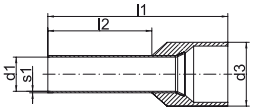
Nominal cross section mm²	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
0.14	**166GR**		*	0.7	2.5	10.0	6	0.15	0.035	1000
	166GRL		*	0.7	2.5	12.0	8	0.15	0.040	1000
0.25	**167H**		*	0.8	2.5	10.0	6	0.15	0.045	1000
	167HL		*	0.8	2.5	12.0	8	0.15	0.050	1000
0.34	**168T**		*	0.8	2.5	10.0	6	0.15	0.045	1000
	168TL		*	0.8	2.5	12.0	8	0.15	0.050	1000
0.5	**1690K**			1.0	3.1	12.0	6	0.15	0.070	1000
	1690			1.0	3.1	14.0	8	0.15	0.070	1000
	GR1690		**	1.0	3.1	14.0	8	0.15	0.070	500
	1690H			1.0	3.1	16.0	10	0.15	0.085	1000

See next page

Insulated cable end-sleeves to DIN with Easy-Entry, colour code 1

Nominal cross section mm²	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
0.75	**170WK**			1.2	3.3	12.0	6	0.15	0.080	1000
	170W			1.2	3.3	14.0	8	0.15	0.080	1000
	GR170W		**	1.2	3.3	14.0	8	0.15	0.080	500
	170WH			1.2	3.3	16.0	10	0.15	0.100	1000
	170WL			1.2	3.3	18.0	12	0.15	0.105	1000
1	**171GK**			1.4	3.5	12.0	6	0.15	0.090	1000
	171G			1.4	3.5	14.0	8	0.15	0.100	1000
	GR171G		**	1.4	3.5	14.0	8	0.15	0.100	500
	171GH			1.4	3.5	16.0	10	0.15	0.120	1000
	171GL			1.4	3.5	18.0	12	0.15	0.125	1000
1.5	**172RK**			1.7	4.0	12.0	6	0.15	0.105	1000
	172RO			1.7	4.0	14.0	8	0.15	0.110	1000
	GR172RO		**	1.7	4.0	14.0	8	0.15	0.110	500
	172RH			1.7	4.0	16.0	10	0.15	0.130	1000
	172RM			1.7	4.0	18.0	12	0.15	0.140	1000
	172RL			1.7	4.0	24.0	18	0.15	0.190	1000
2.5	**173B**			2.2	4.7	14.0	8	0.15	0.150	1000
	GR173B		**	2.2	4.7	14.0	8	0.15	0.150	500
	173BH			2.2	4.7	18.0	12	0.15	0.200	1000
	173BL			2.2	4.7	24.0	18	0.15	0.250	1000
4	**174GR**			2.8	5.4	17.0	10	0.20	0.210	100
	174GRH			2.8	5.4	20.0	12	0.20	0.250	100
	174GRL			2.8	5.4	26.0	18	0.20	0.320	100
6	**175S**			3.5	6.9	20.0	12	0.20	0.350	100
	175SL			3.5	6.9	26.0	18	0.20	0.460	100
10	**176E**			4.5	8.4	22.0	12	0.20	0.450	100
	176EL			4.5	8.4	28.0	18	0.20	0.650	100
16	**177GR**			5.8	9.6	24.0	12	0.20	0.650	100
	177GRL			5.8	9.6	28.0	18	0.20	0.800	100
25	**178BR**			7.3	12.0	30.0	16	0.20	1.600	50
	178BRL			7.3	12.0	36.0	22	0.20	2.000	50
35	**179B**			8.3	13.5	30.0	16	0.20	1.900	50
	179BL			8.3	13.5	39.0	25	0.20	2.500	50
50	**180O**			10.3	16.0	36.0	20	0.30	3.300	50
	180OL			10.3	16.0	40.0	25	0.30	4.000	50

Insulated cable end-sleeves to DIN with Easy-Entry, colour code 2



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Easy-Entry insulation for splice-free cable insertion
- Halogen-free

Characteristics
- To DIN 46228, part 4, (0.5 - 25 mm²)
- Heat resistant to 105° C

Material
- Cu-DHP
- Synthetic material: polypropylene

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 148

Additional information
- * = not standardised
- ** = quantities in one bag

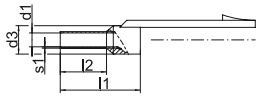
Nominal cross section mm²	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
0.14	**1666**		*	0.7	2.5	10.0	6	0.15	0.035	1000
	1668		*	0.7	2.5	12.0	8	0.15	0.040	1000
0.25	**1676**		*	0.8	2.5	10.0	6	0.15	0.045	1000
	1678		*	0.8	2.5	12.0	8	0.15	0.050	1000
0.34	**1686**		*	0.8	2.5	10.0	6	0.15	0.045	1000
	1688		*	0.8	2.5	12.0	8	0.15	0.050	1000
0.5	**1696**			1.0	3.1	12.0	6	0.15	0.070	1000
	1698			1.0	3.1	14.0	8	0.15	0.080	1000
	GR1698		**	1.0	3.1	14.0	8	0.15	0.080	500
0.75	**1706**			1.2	3.3	12.0	6	0.15	0.080	1000
	1708			1.2	3.3	14.0	8	0.15	0.095	1000
	GR1708		**	1.2	3.3	14.0	8	0.15	0.095	500
1	**1716**			1.4	3.5	12.0	6	0.15	0.085	1000
	1718			1.4	3.5	14.0	8	0.15	0.100	1000
	GR1718		**	1.4	3.5	14.0	8	0.15	0.100	500
1.5	**1726**			1.7	4.0	12.0	6	0.15	0.100	1000
	1728			1.7	4.0	14.0	8	0.15	0.120	1000
	GR1728		**	1.7	4.0	14.0	8	0.15	0.120	500
	17210			1.7	4.0	16.0	10	0.15	0.130	1000
	17212			1.7	4.0	18.0	12	0.15	0.140	1000
	17218			1.7	4.0	24.0	18	0.15	0.220	1000
2.5	**1738**			2.2	4.7	14.0	8	0.15	0.140	1000
	GR1738		**	2.2	4.7	14.0	8	0.15	0.140	500
	17312			2.2	4.7	18.0	12	0.15	0.200	1000
	17318			2.2	4.7	24.0	18	0.15	0.280	1000
4	**17410**			2.8	5.4	17.0	10	0.20	0.260	100
	17412			2.8	5.4	20.0	12	0.20	0.300	100
	17418			2.8	5.4	26.0	18	0.20	0.390	100
6	**17512**			3.5	6.9	20.0	12	0.20	0.410	100
	17518			3.5	6.9	26.0	18	0.20	0.530	100

See next page

Insulated cable end-sleeves to DIN with Easy-Entry, colour code 2

Nominal cross section mm²	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
10	**17612**			4.5	8.4	22.0	12	0.20	0.550	100
	17618			4.5	8.4	28.0	18	0.20	0.710	100
16	**17712**			5.8	9.6	24.0	12	0.20	0.660	100
	17718			5.8	9.6	28.0	18	0.20	0.850	100
25	**17816**			7.3	12.0	30.0	16	0.20	1.500	50
	17818			7.3	12.0	30.0	18	0.20	1.550	50
	17822			7.3	12.0	36.0	22	0.20	2.000	50

Insulated cable end-sleeves with lug



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- With identification system for max. 6 identification rings
- Halogen-free

Characteristics

- Dimensions to DIN 46228, part 4
- Heat resistant to 105° C

Material

- Copper (EN13600)
- Synthetic material: polypropylene

Surface

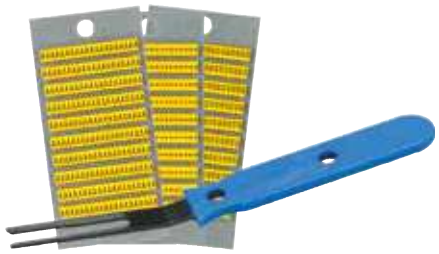
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 148

Nominal cross section mm²	Part No.	Colour	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			d1	d3	l1	l2	s1		
0.5	**3698**		1.0	3.1	13.0	8	0.15	0.16	1000
0.75	**3708**		1.2	3.2	13.5	8	0.15	0.16	1000
1	**3718**		1.4	3.4	13.5	8	0.15	0.18	1000
1.5	**3728**		1.7	3.9	13.5	8	0.15	0.20	1000
2.5	**3738**		2.2	4.7	14.5	8	0.15	0.22	1000

Designation ring and insert fork



▸ For identifying the insulated cable end-sleeves with lugs

Characteristics

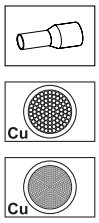
- Differing numbers / letters in the designation rings
- Packaging unit in booklet format, 200 of each symbol
- Insert fork A300 for inserting in the designation ring on the insulated cable end-sleeves with tabs

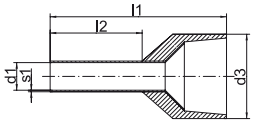
Additional information

- * = without letters “I“, “O“ and “Y“

Part No.	Colour	Hint	Packing unit/pcs
Designation rings			
380/-			1 booklet
380/+			1 booklet
380/0 to 9			1 booklet
380/A to Z		*	1 booklet
Insert fork			
A300			1

Insulated cable end-sleeves for short circuit resistant conductors





▸ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
▸ For short circuit resistant conductors (e.g. NSGAFÖU)
▸ Halogen-free

Characteristics

- Heat resistant to 105° C
- Easy-Entry insulation for simple cable insertion
- Colour-coded cross-section assignment

Material

- Copper (EN13600)
- Synthetic material: polypropylene

Surface

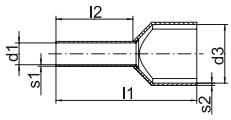
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 148

Nominal cross section mm²	Part No.	Colour	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			d1	d3	l1	l2	s1		
1.5	**4328**		1.7	8.1	17.5	8	0.15	0.22	100
	43210		1.7	8.1	19.5	10	0.15	0.27	100
2.5	**4338**		2.2	8.6	17.5	8	0.15	0.24	100
	43312		2.2	8.6	21.5	12	0.15	0.36	100
4	**43410**		2.9	10.5	19.5	10	0.20	0.36	100
6	**43512**		3.5	11.0	23.0	12	0.20	0.49	100
10	**43612**		4.5	12.5	24.0	12	0.20	0.65	100
16	**43712**		5.8	14.5	25.5	12	0.20	0.93	100

Insulated twin cable end-sleeves



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- For looping of clamps
- Colour-coding following DIN 46228 part 4 (0.5 - 16 mm²)
- Halogen-free

Characteristics

- Heat resistant to 105° C

Material

- Copper (EN13600)
- Synthetic material: polypropylene

Surface

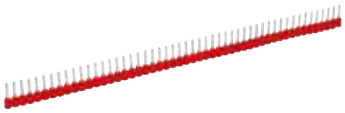
- Tin-plated to protect against corrosion

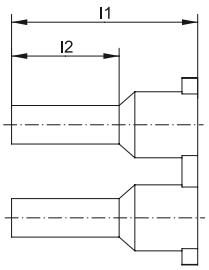
Technical instructions

- Tool: see page 150

Nominal cross section mm²	Part No.	Colour	Dimension mm						Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
			d1	d3	l1	l2	s1	s2		
2 x 0.25	**8678**		1.20	2.3/3.9	15.0	8	0.15	0.25	0.110	1000
2 x 0.34	**8688**		1.20	2.3/3.9	15.0	8	0.15	0.25	0.110	1000
2 x 0.5	**8698**		1.40	3.0/5.2	15.0	8	0.15	0.25	0.110	1000
2 x 0.75	**8708**		1.70	3.3/5.5	15.0	8	0.15	0.25	0.130	1000
	87010		1.70	3.3/5.5	17.0	10	0.15	0.25	0.150	1000
2 x 1	**8718**		2.00	4.0/6.0	15.0	8	0.15	0.30	0.170	1000
	87110		2.00	4.0/6.0	17.0	10	0.15	0.30	0.170	1000
2 x 1.5	**8728**		2.20	4.2/7.2	16.0	8	0.15	0.30	0.183	1000
	87212		2.20	4.2/7.2	20.0	12	0.15	0.30	0.237	1000
2 x 2.5	**87310**		2.80	4.8/8.4	18.5	10	0.20	0.30	0.312	100
	87313		2.80	4.8/8.4	21.5	13	0.20	0.30	0.340	100
2 x 4	**87412**		3.70	5.7/9.6	23.0	12	0.20	0.40	0.467	100
2 x 6	**87514**		4.80	7.7/10.8	26.0	14	0.20	0.40	0.730	100
2 x 10	**87614**		6.40	8.0/13.8	26.0	14	0.20	0.40	0.884	100
2 x 16	**87714**		8.20	10.4/19.2	30.0	14	0.20	0.40	1.273	100

Insulated cable end-sleeves, strip form





- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Crimped cable end-sleeves for simple mounting to cable clamps
- Halogen-free

Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Heat resistant to 105° C
- 50 pcs. cable end-sleeves per strip

Material

- Copper (EN13600)
- Synthetic material: polypropylene

Surface

- Tin-plated to protect against corrosion

Nominal cross section mm²	Part No.	Colour	Dimension mm		Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			l1	l2		
0.5	**ST9698**		14	8	0.100	500
0.75	**ST9708**		14	8	0.100	500
1	**ST9718**		14	8	0.100	500
1.5	**ST9728**		14	8	0.100	500
2.5	**ST9738**		14	8	0.100	500

Insulated cable end-sleeves, small coil

- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Easy-Entry insulation for optimal cable insertion
- Automatic processing due to coil shape
- Halogen-free

Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Heat resistant to 105° C

Material

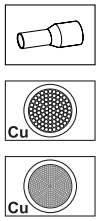
- Copper (EN13600)
- Synthetic material: polypropylene

Surface

- Tin-plated to protect against corrosion

Nominal cross section mm²	Part No.	Colour	Dimension mm		Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			l1	l2		
0.5	**BAK9698**		14	8	0.136	1100
0.75	**BAK9708**		14	8	0.154	1100
1	**BAK9718**		14	8	0.187	800
1.5	**BAK9728**		14	8	0.200	800
2.5	**BAK9738**		14	8	0.300	500

Insulated cable end-sleeves, large coil



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Easy-Entry insulation for splice-free cable insertion
- Automatic processing due to coil shape
- Halogen-free

Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Heat resistant to 105° C

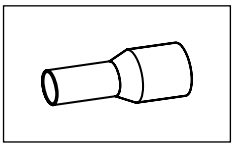
Material

- Copper (EN13600)
- Synthetic material: polypropylene

Surface

- Tin-plated to protect against corrosion

Nominal cross section mm²	Part No.	Colour	Dimension mm		Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			l1	l2		
0.5	**BAG9698**		14	8	0.120	10000
0.75	**BAG9708**		14	8	0.130	10000
1	**BAG9718**		14	8	0.160	7500
1.5	**BAG9728**		14	8	0.173	7500
2.5	**BAG9738**		14	8	0.230	5000

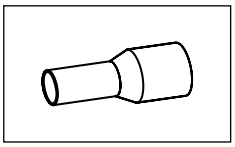


Tool application chart

Cable end-sleeves to DIN 46228, part 1 and DIN 46228, part 4
Insulated cable end-sleeves for short circuit resistant conductors

Part 1 of 2

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	0.08 - 10	K303		214		◇
	0.08 - 16	K304K		214		◇
		K306K		215		⬡
	0.14 - 2.5	K1		210		▱
		K48		210		▱
	0.14 - 10	K32		211		▱
	0.14 - 6	K37		212		▱
	0.14 - 10	K3014K		215		◇
	0.5 - 2.5	K4		208		⌒
	0.5 - 6	K36		211		▱
		K382		213		◇
	0.5 - 16	K3		209		⌒
	1.5 - 6	K46		208		⌒
	6 - 16	K34		212		▱
	10 - 25	K39		213		▱
	10 - 35	K35		209		⌒
	10 - 50	K271		216		⌓
		K28		217		▱
	50 - 95	K272		217		⌓
		K29		218		▱
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	0.14 - 10	K507		234		▱
	0.14 - 50	K50		235	312	▱
		EK50ML		244	312	▱
	10 - 50	K354		236	317	⌓
	10 - 120	K18		238	326	⌓
	10 - 240	K22		240	332	⌓

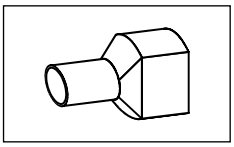


Tool application chart

Cable end-sleeves to DIN 46228, part 1 and DIN 46228, part 4
Insulated cable end-sleeves for short circuit resistant conductors

Part 2 of 2

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Hand hydraulic crimping tools	10 - 95	HK6018		280	326	
		HK60UNV	+UA18	465	326	
	10 - 240	HK6022		282	332	
		HK60UNV	+UA22	465	332	
	25 - 240	HK12030		286	337	
		HK12042		288	337	
		HK120U		290	337	
Battery powered crimping tools	0,14 - 50	EK1550ML		248	312	
	10 - 50	EK354ML		250	317	
		EK354		256	317	
	0,14 - 50	EK505		258	322	
	10 - 95	EK5018		260	326	
		EK60UNV	+UA18	468	326	
		EKM60UNV	+UA18	467	326	
	10 - 240	EK6022		264	332	
		EKM6022		262	332	
		EK60UNV	+UA22	468	332	
		EKM60UNV	+UA22	467	332	
	25 - 240	EK12032		270	337	
		EK12042		272	337	
		EK120U		274	337	
		EK135FT	+UA15T	276	337	
		EK120UNV	+UA12T	469	337	
Hydraulic crimping systems	10 - 120	THK18		294	326	
	10 - 240	THK22		296	332	
	25 - 240	HK252	+25A13	308	337	
Hydraulic crimping heads	10 - 120	PK18		294	326	
		PK60UNV	+UA18	466	326	
	10 - 240	PK22		296	332	
		PK60UNV	+UA22	466	332	
	25 - 240	PK12042		300	337	
		PK120U		302	337	
		PK252	+25A13	304	337	



Tool application chart

Insulated twin cable end-sleeves

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	2 x 0,25 - 2 x 4	K3016K		216		⬡
	2 x 0,5 - 2 x 2,5	K32		211		▱
	2 x 0,25 - 2 x 2,5	K382		213		▱
	2 x 0,25 - 2 x 4	K303		214		◇
		K36		211		▱
	2 x 0,5 - 2 x 10	K306K		215		⬡
	2 x 0,5 - 2 x 6	K304K		214		◇
	2 x 0,25 - 2 x 4	K3014K		215		◇
	2 x 4 - 2 x 6	K34		212		▱
	2 x 4 - 2 x 16	K271		216		▱
		K28		217		▱
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	2 x 4 - 2 x 16	K354		236	318	▱
		K18		238	326	▱ ▱
		K22		240	332	▱ ▱
Hand hydraulic crimping tools	2 x 4 - 2 x 16	HK6018		280	326	▱ ▱
		HK60UNV	+UA18	465	326	▱ ▱
		HK6022		282	332	▱ ▱
		HK60UNV	+UA22	465	332	▱ ▱
Battery powered crimping tools	2 x 4 - 2 x 16	EK354ML		250	318	▱ ▱
		EK354		256	318	▱ ▱
		EK505		258	322	▱ ▱
		EK5018		260	326	▱ ▱
		EK60UNV	+UA18	468	326	▱ ▱
		EKM60UNV	+UA18	467	326	▱ ▱
		EK6022		264	332	▱ ▱
		EKM6022		262	332	▱ ▱
		EK60UNV	+UA22	468	332	▱ ▱
		EKM60UNV	+UA22	467	332	▱ ▱
Hydraulic crimping systems	2 x 4 - 2 x 16	THK18		294	326	▱ ▱
		THK22		296	332	▱ ▱
Hydraulic crimping heads	2 x 4 - 2 x 16	PK18		294	326	▱ ▱
		PK60UNV	+UA18	466	326	▱ ▱
		PK22		296	332	▱ ▱
		PK60UNV	+ UA22	466	332	▱ ▱

PRECISION - CABLE CONNECTIONS, INSULATED AND NON-INSULATED

Electrical power is the product of voltage and current strength. An optimum connection guarantees to transfer this power without thermal losses. This requires materials, design and tool to be correctly processed and matched to one another. If you want optimum power at all times, you can rely on Klauke's best work.

In brief

- High requirements in detail
- Solutions available for small cross-sections
- Broad range of versions
- Optimum connection without thermal loss
- Grooved profile for improved conductor hold

Easy insulation

All insulation is produced in the Easy-Entry version, for simple cable insertion without splicing. For small ranges with big effect.

- Cable connections with nominal cross-sections from 0.1 mm^2 to 6 mm^2
- Resistant to temperatures of up to 105 °C
- Flame retardant polyamide insulation: No toxic vapours in case of fire
- Halogen-free
- Insensitive to corrosion due to tinning ander the insulation
- Simple processing thanks to Easy-Entry
- Grooved profile on the inside for improved contacting

More hold with grooved profile

The detail is key. Not only are there numerous models of Klauke tabs and receptacles, they are also equipped with special features. No matter whether as a standardised connector or with grooved profile for improved contacting - Klauke will always provide the right feature for your requirements.

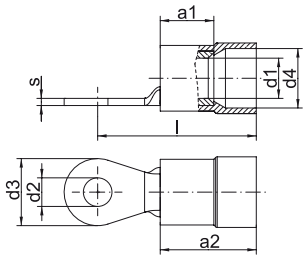
- Broad range of models
- All-purpose
- Also as standardised connectors with various tab widths
- Available with strain relief
- Fully-insulated receptacles
- Grooved profile and additional copper ring in the insulation area for higher stresses

Quality in detail

In a machine, everything has to pull together. For the machine to run, every component has to function. Even when it comes to small parts, better to go for high quality products with a high capacity, for our receptacles with snap-in point for example. The snap-in point guarantees a reliable connection even after repeated insertions.

- High conductivity and reliable insulation thanks to high-quality materials
- Improved spring properties by the use of bronze

Insulated solderless terminals



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- To DIN 46237
- High-quality brazing process in the crimp area
- Insulation sleeve halogen-free

Characteristics

- Heat resistant to 105° C
- Easy-Entry insulation for simple cable insertion
- Cross-section-dependent colour-coding

Material

- Copper (ETP)
- Insulation sleeve: PA

Surface

- Tin-plated to protect against corrosion

Technical instructions

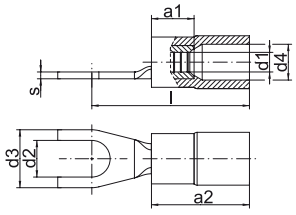
- Tool: see page 173

Additional information

- * = not standardised
- 0.1 - 0.4 mm² not CSA-tested

Nominal cross section mm²	Nominal size to DIN	Part No.	Colour	Hint	Dimension mm								Weight/ pcs. ~kg	Packing unit/pcs
					a1	a2	d1	d2	d3	d4	l	s		
0.1 - 0.4	--	**6192**		*	--	--	1.0	2.3	5.0	2.2	14.0	0.5	0.020	100
	--	**61925**		*	--	--	1.0	2.6	5.0	2.2	14.0	0.5	0.020	100
	--	**6193**		*	--	--	1.0	3.3	5.0	2.2	14.0	0.5	0.020	100
	--	**61935**		*	--	--	1.0	3.8	6.5	2.2	16.0	0.5	0.025	100
	--	**6194**		*	--	--	1.0	4.4	7.0	2.2	16.0	0.5	0.025	100
	--	**6195**		*	--	--	1.0	5.4	8.0	2.2	15.0	0.5	0.025	100
0.5 - 1	2.5 - 1	**62025**			5	10.5	1.6	2.8	6.0	4.5	16.5	0.8	0.060	100
	3.0 - 1	**6203**			5	10.5	1.6	3.2	6.0	4.5	16.5	0.8	0.060	100
	3.5 - 1	**62035**			5	10.5	1.6	3.7	6.0	4.5	16.5	0.8	0.550	100
	4.0 - 1	**6204**			5	10.5	1.6	4.3	8.0	4.5	17.5	0.8	0.070	100
	5.0 - 1	**6205**			5	10.5	1.6	5.3	10.0	4.5	18.5	0.8	0.090	100
	--	**6206**		*	5	10.5	1.6	6.5	11.0	4.5	20.5	0.8	0.080	100
	--	**6208**		*	5	10.5	1.6	8.4	14.0	4.5	22.5	0.8	0.130	100
	--	**62010**		*	5	10.5	1.6	10.5	18.0	4.5	24.5	0.8	0.130	100
1.5 - 2.5	3.0 - 2.5	**6303**			5	11.5	2.3	3.2	6.0	5.0	17.5	0.8	0.065	100
	3.5 - 2.5	**63035**			5	11.0	2.3	3.7	6.0	5.1	17.5	0.8	0.065	100
	4.0 - 2.5	**6304**			5	11.5	2.3	4.3	8.0	5.1	18.5	0.8	0.080	100
	5.0 - 2.5	**6305**			5	11.5	2.3	5.3	10.0	5.1	20.5	0.8	0.090	100
	6.0 - 2.5	**6306**			5	11.5	2.3	6.5	11.0	5.1	22.5	0.8	0.110	100
	8.0 - 2.5	**6308**			5	11.5	2.3	8.4	14.0	5.1	23.5	0.8	0.130	100
	--	**63010**		*	5	11.5	2.3	10.5	18.0	5.1	25.5	0.8	0.160	100
4 - 6	4.0 - 6	**6504**			6	12.5	3.6	4.3	8.0	6.5	20.5	1.0	0.140	100
	5.0 - 6	**6505**			6	12.5	3.6	5.3	10.0	6.5	21.5	1.0	0.160	100
	6.0 - 6	**6506**			6	12.5	3.6	6.5	11.0	6.5	22.5	1.0	0.170	100
	8.0 - 6	**6508**			6	12.5	3.6	8.4	14.0	6.5	25.5	1.0	0.220	100
	10.0 - 6	**65010**			6	12.5	3.6	10.5	18.0	6.5	27.5	1.0	0.290	100

Insulated solderless terminals, fork type



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Dimensions in the crimp area to DIN 46237
- High-quality brazing process in the crimp area
- Simple fork-type mounting
- Insulation sleeve halogen-free

Characteristics

- Heat resistant to 105° C
- Easy-Entry insulation for simple cable insertion
- Cross-section-dependent colour-coding

Material

- Copper (ETP)
- Insulation sleeve: PA

Surface

- Tin-plated to protect against corrosion

Technical instructions

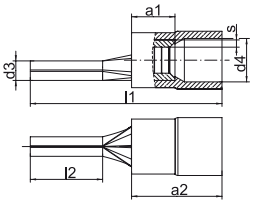
- Tool: see page 173

Additional information

- 0.1 - 0.4 mm² not CSA-tested
- * = not standardised

Nominal cross section mm²	Nominal size to DIN	Part No.	Colour	Hint	Dimension mm								Weight/ pcs. ~kg	Packing unit/pcs
					a1	a2	d1	d2	d3	d4	l	s		
0.1 - 0.4	--	**619C3**		*	--	--	--	3.2	5.0	--	14.0	0.5	0.020	100
0.5 - 1	3.0 - 1	**620C3**			5	10.5	1.6	3.2	6.0	4.5	16.5	0.8	0.060	100
	3.5 - 1	**620C35**			5	10.5	1.6	3.7	6.8	4.5	17.5	0.8	0.060	100
	4.0 - 1	**620C4**			5	10.5	1.6	4.3	6.8	4.5	17.5	0.8	0.070	100
	5.0 - 1	**620C5**			5	10.5	1.6	5.3	10.0	4.5	18.5	0.8	0.090	100
	--	**620C6**		*	5	10.5	1.6	6.5	11.0	4.5	20.5	0.8	0.080	100
1.5 - 2.5	3.0 - 2.5	**630C3**			5	11.5	2.3	3.2	6.0	5.1	17.5	0.8	0.060	100
	3.5 - 2.5	**630C35**			5	11.5	2.3	3.7	6.8	5.1	18.5	0.8	0.065	100
	4.0 - 2.5	**630C4**			5	11.5	2.3	4.3	6.8	5.1	18.5	0.8	0.080	100
	5.0 - 2.5	**630C5**			5	11.5	2.3	5.3	10.0	5.1	20.5	0.8	0.090	100
	6.0 - 2.5	**630C6**			5	11.5	2.3	6.5	11.0	5.1	22.5	0.8	0.110	100
4 - 6	4.0 - 6	**650C4**			6	12.5	3.6	4.3	8.0	6.5	20.5	1.0	0.140	100
	5.0 - 6	**650C5**			6	12.5	3.6	5.3	10.0	6.5	21.5	1.0	0.160	100
	6.0 - 6	**650C6**			6	12.5	3.6	6.5	11.0	6.5	22.5	1.0	0.170	100
	8.0 - 6	**650C8**			6	12.5	3.6	8.4	14.0	6.5	25.5	1.0	0.220	100
	10.0 - 6	**650C10**			6	12.5	3.6	10.5	18.0	6.5	27.5	1.0	0.280	100

Insulated pin terminals



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- To DIN 46231
- High-quality brazing process in the crimp area
- Insulation sleeve halogen-free

Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 105° C
- Easy-Entry insulation for simple cable insertion

Material

- Copper (ETP)
- Insulation sleeve: PA

Surface

- Tin-plated to protect against corrosion

Technical instructions

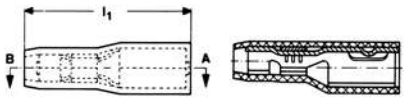
- Tool: see page 173

Additional information

- 0.1 - 0.4 mm² not CSA-tested
- * = not standardised

Nominal cross section mm²	Nominal size to DIN	Part No.	Colour	Hint	Dimension mm						Weight/ pcs. ~kg	Packing unit/pcs
					a1	a2	d3	d4	l1	l2		
0.1 - 0.4	--	**704**		*	--	--	1.4	--	18.0	9.0	0.020	100
0.5 - 1	1	**705**			5	10.5	1.9	4.5	22.0	10.0	0.065	100
		705K		*	5	10.5	1.9	4.5	18.0	6.0	0.060	100
1.5 - 2.5	2.5	**710**			5	11.5	1.9	5.1	23.0	10.0	0.065	100
		710K		*	5	11.5	1.9	5.1	19.5	6.5	0.060	100
		710L		*	5	11.5	1.9	5.1	27.5	16.0	0.100	100
4 - 6	6	**715**			6	12.5	2.7	6.5	26.0	11.0	0.160	100

Insulated pin receptacles



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- High quality bronze material provides optimum spring characteristic and improved contact strength

Characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 70° C

Material
- Bronze (CuSnZn)
- Insulation sleeve: PVC

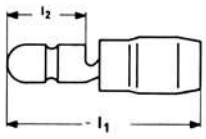
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Additional information
- 1.5 - 2.5 mm² and 4 - 6 mm² not CSA-tested

Nominal cross section mm²	Part No.	Colour	Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
			Pin dia.	l1		
0.5 - 1	**920**		4	22	0.060	100
1.5 - 2.5	**930**		5	22	0.120	100
4 - 6	**950**		5	22	0.125	100

Insulated pin receptacles



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

Characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 70° C

Material
- Brass (CuZn)
- Insulation sleeve: PVC

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Additional information
- 1.5 - 2.5 mm² and 4 - 6 mm² not CSA-tested

Nominal cross section mm²	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			Pin dia.	l1	l2		
0.5 - 1	**1020**		4	22	9	0.060	100
1.5 - 2.5	**1030**		5	22	9	0.075	100
4 - 6	**1050**		5	22	9	0.110	100

Insulated pin receptacles, fully insulated

- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- High quality bronze material provides optimum spring characteristic and improved contact strength
- Fast processing as no additional insulation of the crimped connection is required
- Insulation sleeve halogen-free

Characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material
- Bronze (CuSnZn)
- Insulation sleeve: PA

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Additional information
- 4 - 6 mm² not CSA-tested

Nominal cross section mm²	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			Pin dia.	l1	s		
0.5 - 1	**920V**		4	24	0.38	0.065	100
4 - 6	**950V**		5	27	0.40	0.150	100

Insulated pin receptacles, fully insulated

- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- High quality bronze material provides optimum spring characteristic and improved contact strength
- Fast processing as no additional insulation of the crimped connection is required
- Insulation sleeve halogen-free

Characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material
- Bronze (CuSnZn)
- Insulation sleeve: PA

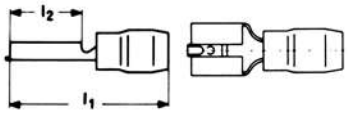
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Additional information
- 1.5 - 2.5 mm² and 4 - 6 mm² not CSA-tested

Nominal cross section mm²	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			Pin dia.	l1	l2		
0.5 - 1	**1020V**		4	25	11	0.065	100
1.5 - 2.5	**1030V**		5	25	11	0.080	100
4 - 6	**1050V**		5	27	13	0.120	100

Insulated receptacles, tinned brass



For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

Characteristics

- To DIN 46245, part 1 – 3 and similar versions
- Cross-section-dependent colour-coding
- Temperature resistance: PVC to 70° C, PA to 105° C

Material

- Brass (CuZn)
- Insulation sleeve: PVC/PA

Surface

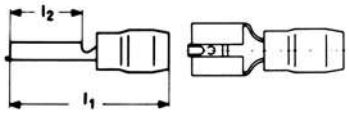
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 173

Nominal cross section mm²	Nominal size to DIN	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm		Insulation material	Weight/pcs. ~kg	Packing unit/pcs
						l1	l2			
0.5 - 1		**8201**	red	0.5	2.8	17.5	8.0	PVC	0.035	100
		8201A	red	0.8	2.8	17.5	8.0	PVC	0.045	100
		8202	red	0.5	4.8	18.0	6.0	PVC	0.065	100
	4.8 - 1	**8203**	red	0.8	4.8	18.0	6.0	PVC	0.065	100
	6.3 - 1	**720**	red	0.8	6.3	22.0	7.5	PVC	0.090	100
		7208	red	0.8	7.7	25.0	9.5	PVC	0.110	100
1.5 - 2.5		**8301**	blue	0.5	2.8	18.0	8.0	PA	0.050	100
		8301A	blue	0.8	2.8	18.0	8.0	PA	0.060	100
		8302	blue	0.5	4.8	18.0	6.0	PVC	0.070	100
	4.8 - 2.5	**8303**	blue	0.8	4.8	18.0	6.0	PVC	0.070	100
	6.3 - 2.5	**730**	blue	0.8	6.3	21.0	7.4	PVC	0.090	100
		7308	blue	0.8	7.7	25.0	9.5	PVC	0.115	100
4 - 6		**8503**	yellow	0.8	4.8	23.0	7.5	PA	0.138	100
	6.3 - 6	**750**	yellow	0.8	6.3	21.0	7.5	PVC	0.100	100
		7509	yellow	1.2	9.5	26.5	12.0	PVC	0.150	100

Insulated receptacles, tinned bronze



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- High quality bronze material provides optimum spring characteristic and improved contact strength

Characteristics
- To DIN 46245, part 3
- Cross-section-dependent colour-coding
- Heat resistant to 70° C

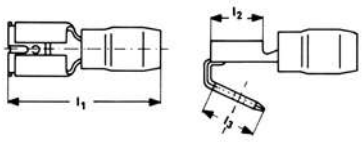
Material
- Bronze (CuSnZn)
- Insulation sleeve: PVC

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Nominal cross section mm²	Nominal size to DIN	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm		Insulation material	Weight/pcs. ~kg	Packing unit/ pcs
						l1	l2			
0.5 - 1	6.3 - 1	**720BZ**		0.8	6.3	22	7.5	PVC	0.09	100
1.5 - 2.5	6.3 - 2.5	**730BZ**		0.8	6.3	21	7.4	PVC	0.09	100
4 - 6	6.3 - 6	**750BZ**		0.8	6.3	21	7.5	PVC	0.10	100

Insulated receptacles, multiple type



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

Characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 70° C

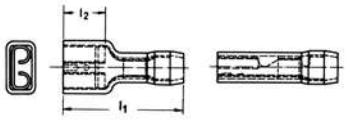
Material
- Brass (CuZn)
- Insulation sleeve: PVC

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Nominal cross section mm²	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm			Insulation material	Weight/pcs. ~kg	Packing unit/ pcs
					l1	l2	l3			
0.5 - 1	**720AZ**		0.8	6.3	22	7.5	8	PVC	0.11	100
1.5 - 2.5	**730AZ**		0.8	6.3	22	7.5	8	PVC	0.11	100
4 - 6	**750AZ**		0.8	6.3	25	8.0	8	PVC	0.18	100

Insulated receptacles, fully insulated



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Fast processing as no additional insulation of the crimped connection is required

Characteristics

- Cross-section-dependent colour-coding
- Temperature resistance: PVC to 70° C, PA to 105° C

Material

- Brass (CuZn)
- Insulation sleeve: PVC/PA

Surface

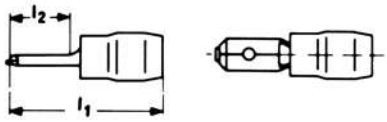
- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 173

Nominal cross section mm²	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm		Insulation material	Weight/pcs. ~kg	Packing unit/pcs
					l1	l2			
0.5 - 1	**8201V**		0.5	2.8	19.0	5.5	PA	0.07	100
	8201AV		0.8	2.8	19.0	5.5	PA	0.07	100
	8202V		0.5	4.8	20.0	7.0	PVC	0.10	100
	8203V		0.8	4.8	20.0	7.0	PVC	0.10	100
	720V		0.8	6.3	21.0	7.5	PVC	0.08	100
1.5 - 2.5	**8301V**		0.5	2.8	20.0	8.0	PVC	0.14	100
	8301AV		0.8	2.8	20.0	8.0	PVC	0.14	100
	8302V		0.5	4.8	20.5	7.0	PVC	0.11	100
	8303V		0.8	4.8	20.5	7.0	PVC	0.11	100
	730V		0.8	6.3	21.0	7.5	PVC	0.15	100
4 - 6	**8502V**		0.5	4.8	20.5	9.5	PVC	0.15	100
	8503V		0.8	4.8	20.5	9.5	PVC	0.15	100
	750V		0.8	6.3	25.5	11.5	PVC	0.16	100

Insulated tabs



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

Characteristics
- Cross-section-dependent colour-coding
- Temperature resistance: PVC to 70° C, PA to 105° C

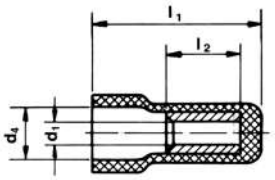
Material
- Brass (CuZn)
- Insulation sleeve: PVC/PA

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Nominal cross section mm²	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm		Insulation material	Weight/pcs. ~kg	Packing unit/pcs
					l1	l2			
0.5 - 1	**8201C**	red	0.5	2.8	22.0	11.5	PA	0.040	100
	8201B	red	0.8	2.8	14.6	5.5	PVC	0.060	100
	8202B	red	0.5	4.8	22.0	11.5	PA	0.070	100
	8203B	red	0.8	4.8	22.0	11.5	PA	0.070	100
	820	red	0.8	6.3	22.0	8.0	PVC	0.060	100
1.5 - 2.5	**8302B**	blue	0.5	4.8	22.0	11.5	PA	0.070	100
	8303B	blue	0.8	4.8	22.0	11.5	PA	0.070	100
	830	blue	0.8	6.3	22.0	8.0	PVC	0.065	100
4 - 6	**8502B**	yellow	0.5	4.8	24.5	10.5	PA	0.120	100
	8503B	yellow	0.8	4.8	24.5	10.5	PA	0.120	100
	850	yellow	0.8	6.3	22.0	8.0	PVC	0.110	100

Insulated end-splices



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Safe sealing of open conductors
- Insulation sleeve halogen-free

Characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

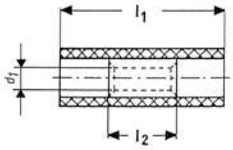
Material
- Copper (ETP)
- Insulation sleeve: PA

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Nominal cross section mm²	Part No.	Colour	Dimension mm				Weight/pcs. ~kg	Packing unit/pcs
			d1	d2	l1	l2		
1.5 - 2.5	**1130**	blue	2.3	5.2	16	7	0.05	100
4 - 6	**1150**	yellow	3.6	7.0	18	7	0.14	100

Insulated butt connectors



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Simple and safe connecting owed to butt mark
- Fast processing as no additional insulation of the crimped connection is required
- Insulation sleeve halogen-free

Characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material
- Copper (ETP)
- Insulation sleeve: PA

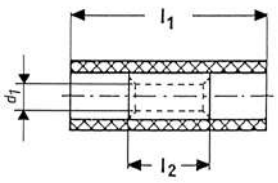
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Additional information
- 0.1 - 0.4 mm² not CSA-tested

Nominal cross section mm²	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			d1	l1	l2		
0.1 - 0.4	**669**		1.2	20	12	0.030	100
0.5 - 1	**670**		1.6	25	15	0.090	100
1.5 - 2.5	**680**		2.3	25	15	0.115	100
4 - 6	**700**		3.6	27	15	0.250	100

Insulated butt connectors with heat shrink insulation



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Simple and safe processing due to butt mark
- Fast processing as no additional insulation of the crimped connection is required
- Insulation sleeve halogen-free

Characteristics
- Cross-section-dependent colour-coding
- Special crimping tool required
- Heat resistant to 105° C

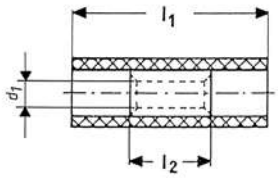
Material
- Copper (ETP)
- Insulation sleeve: PE

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Nominal cross section mm²	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			d1	l1	l2		
0.5 - 1	**670WS**		1.6	36	15	0.12	100
1.5 - 2.5	**680WS**		2.3	36	15	0.15	100
4 - 6	**700WS**		3.4	41	15	0.25	100

Insulated parallel connectors



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Fast processing as no additional insulation of the crimped connection is requiredInsulation sleeve halogen-free
- Insulation sleeve halogen-free

Characteristics
- Cross-section-dependent colour-coding
- Heat resistant to 105° C

Material
- Copper (ETP)
- Insulation sleeve: PA

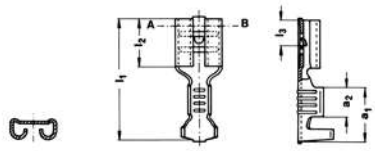
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 173

Additional information
- 0.1 - 0.4 mm² not CSA-tested

Nominal cross section mm²	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			d1	l1	l2		
0.1 - 0.4	**769**		1.2	13	5	0.020	100
0.5 - 1	**770**		1.6	17	7	0.030	100
1.5 - 2.5	**780**		2.3	17	7	0.035	100
4 - 6	**790**		3.6	21	7	0.105	100

Non-insulated receptacles



For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

Characteristics
- To DIN 46247, part 1 – 3 and similar versions
- Improved contact properties due to grooved profile

Material
- Brass (CuZn)

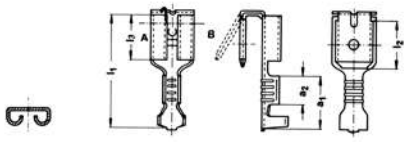
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 174

Additional information
- * = nickel-plated steel version also available, Part Number appendix “ST“

Nominal cross section mm²	Nominal size to DIN	Part No.	Tab Thickn.	Tab Width	Dimension mm a1	a2	l1	l2	l3	s	Weight/ pcs. ~kg	Packing unit/pcs
0.5 - 1	--	**18251**	0.5	2.8	5.0	2.8	12.5	5.0	3.3	0.30	0.025	100
		18251A	0.8	2.8	5.5	2.5	12.5	5.0	3.3	0.30	0.025	100
	B 2.8 - 1	**18201A**	0.8	2.8	5.5	2.5	14.0	6.3	3.3	0,35	0.025	100
	--	**18202**	0.5	4.8	6.0	3.4	15.6	6.0	3.8	0.35	0.050	100
	4.8 - 1	**18203**	0.8	4.8	6.0	3.4	15.6	6.0	3.8	0.35	0.050	100
	6.3 - 1	**1720**	0.8	6.3	8.5	4.5	19.0	7.4	4.0	0.45	0.085	100
1.5 - 2.5	4.8 - 2.5	**18303**	0.8	4.8	6.0	3.4	15.6	6.0	3.8	0.35	0.055	100
	6.3 - 2.5	***1730**	0.8	6.3	8.5	4.5	19.0	7.4	4.0	0.45	0.082	100
4 - 6	6.3 - 6	***1750**	0.8	6.3	8.5	4.5	19.0	7.4	4.0	0.45	0.100	100

Non-insulated receptacles, multiple type



For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

Characteristics
- To DIN 46247, part 1 – 3 and similar versions
- Improved contact properties due to grooved profile

Material
- Brass (CuZn)

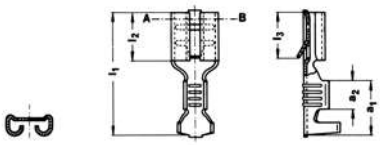
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 174

Additional information
- * = corresponds to DIN 46345

Nominal cross section mm²	Part No.	Tab Thickn.	Tab Width	Hint	Dimension mm a1	a2	l1	l2	l3	s	Weight/ pcs. ~kg	Packing unit/pcs
0.5 - 1	**18203AZ**	0.8	4.8		6.0	3.4	15.6	7	6.0	0.38	0.09	100
1.5 - 2.5	**18303AZ**	0.8	4.8		6.0	3.4	15.6	7	6.0	0.38	0.09	100
	1730AZ	0.8	6.3	*	8.5	4.5	19.2	8	7.5	0.38	0.13	100

Non-insulated receptacles with locking latch



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

Characteristics
- To DIN 46340, sheet 3
- With latch to engage in housing
- Improved contact properties due to grooved profile

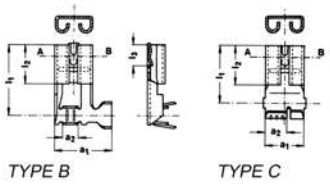
Material
- Brass (CuZn)

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 174

Nominal cross section mm²	Part No.	Tab Thickn.	Tab Width	Dimension mm						Weight/pcs. ~kg	Packing unit/pcs
				a1	a2	l1	l2	l3	s		
0.5 - 1	**2720**	0.8	6.3	8.5	4.5	19.2	7.4	7	0.38	0.070	100
1.5 - 2.5	**2730**	0.8	6.3	8.5	4.5	19.2	7.4	7	0.38	0.075	100
4 - 6	**2750**	0.8	6.3	8.5	4.5	19.2	7.4	7	0.38	0.090	100

Non-insulated receptacles with lateral conductor connector



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Improved contact properties due to grooved profile

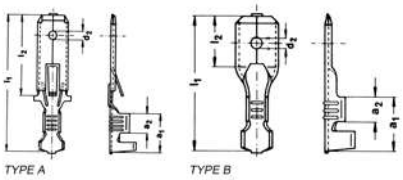
Material
- Brass (CuZn)

Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 174

Nominal cross section mm²	Part No.	Tab Thickn.	Tab Width	Typ	Dimension mm						Weight/ pcs. ~kg	Packing unit/pcs
					a1	a2	l1	l2	l3	l4		
0.5 - 1	**3720**	0.8	6.3	B	11.0	3.0	12.5	7.4	4.0	7.2	0.080	100
0.5 - 1.5	**3725**	0.8	6.3	C	7.5	4.0	11.00	7.4	4.0	7.2	0.085	100
1.5 - 2.5	**3735**	0.8	6.3	B	11.0	3.0	13.5	7.0	4.0	7.2	0.085	100

Non-insulated tabs



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- Improved contact properties due to grooved profile

Material
- Brass (CuZn)

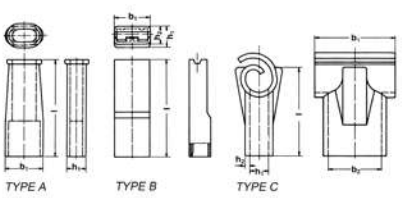
Surface
- Tin-plated to protect against corrosion

Technical instructions
- Tool: see page 174

Additional information
- * = dimensions in the plug sector to DIN 46244

Nominal cross section mm²	Nominal size to DIN	Part No.	Tab Thickn.	Tab Width	Typ	Hint	Dimension mm					Weight/ pcs. ~kg	Packing unit/pcs
							a1	a2	d2	l1	l2		
0.5 - 1		**2235**	0.8	2.8	A	*	6.0	3.2	1.30	22.5	12.7	0.045	100
	46343 B6.3 - 1	**2220**	0.8	6.3	A		8.2	4.0	1.65	28.0	16.0	0.085	100
1.5 - 2.5	46248 A6.3 - 2.5	**1830**	0.8	6.3	B		9.0	4.5	1.65	20.0	8.0	0.065	100
	46343 B6.3 - 2.5	**2230**	0.8	6.3	A		8.2	4.0	1.65	28.0	16.0	0.090	100
4 - 6	46343 B6.3 - 6	**2250**	0.8	6.3	A		8.2	4.0	1.65	28.0	16.0	0.100	100

Insulation sleeves



- For non-insulated tabs
- Perfectly-matched to the different versions

Characteristics
- For post-insulation of crimped non-insulated receptacles

Material
- PA / PE / PVC

Nominal cross section mm²	Nominal size to DIN	Part No.	Colour	Typ	Dimension mm			Insulation material	for item	Weight/pcs. ~kg	Packing unit/pcs
					b1	l	h1				
0.5 - 1	2.8	**2755**	☐	A	5.0	20.0	3.5	PE	18251,18251A, 18201A	0.015	100
0.5 - 1.5	4.8	**2760**	☐	A	7.0	20.0	4.0	PE	18202,18203	0.015	100

see next page

Insulation sleeves

Nominal cross section mm²	Nominal size to DIN	Part No.	Colour	Typ	Dimension mm			Insulation material	for item	Weight/pcs. ~kg	Packing unit/pcs
					b1	l	h1				
0.5 - 2.5	6.3	**2770**	☐	A	12.5	23.0	8.5	PE	1720,1730	0.035	100
		2775	☐	A	9.5	25.0	5.0	PE	1820,1830	0.030	100
0.5 - 4		**2780**	☐	A	9.5	25.0	6.0	PE	1720,1730, 1820,1830	0.030	100
0.5 - 6		**2785**	☐	B	9.2	24.5	5.6	PA	1720,1730,1750, 2720,2730,2750	0.055	100
		2790	☐	C	13.5	15.0	3.1	PVC	3720,3725, 3735	0.060	100

Non-insulated tabs, angled version

Characteristics

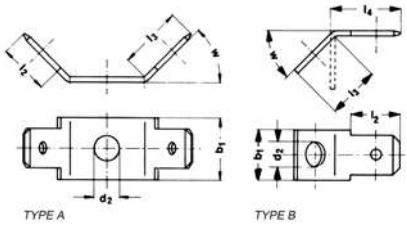
- To DIN 46342, part 1 and similar versions
- Dimensions in the plug sector to DIN 46244

Material

- Brass (CuZn)

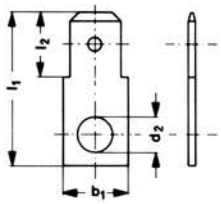
Surface

- Tin-plated to protect against corrosion



Nominal size to DIN	Part No.	Tab Thickn.	Tab Width	Typ	Dimension mm						Weight/ pcs. ~kg	Packing unit/pcs
					b1	d2	l2	l3	l4	w		
--	**2040**	0.8	2.8	A	2.8	3.2	5.5	2.2	--	60°	0.040	100
	2045	0.8	6.3	A	6.3	4.3	8.0	4.0	--	45°	0.160	100
	2060	0.8	6.3	B	6.3	4.3	8.0	4.0	10.7	30°	0.085	100
	2070	0.8	6.3	B	6.3	3.2	8.0	4.0	10.7	45°	0.085	100
	2075	0.8	6.3	B	6.3	4.3	8.0	4.0	10.7	45°	0.085	100
B 6.3 - 0.8	**2080**	0.8	6.3	B	6.3	4.3	8.0	4.0	10.7	45°	0.085	100
--	**2083**	0.8	6.3	B	6.3	5.3	8.0	4.0	10.7	45°	0.080	100
	2090	0.8	6.3	B	6.3	5.3	8.0	4.0	10.7	45°	0.080	100
	2100	0.8	6.3	B	6.3	2.5	8.0	4.0	11.5	90°	0.075	100
	2105	0.8	6.3	B	6.3	3.2	8.0	4.0	11.5	90°	0.085	100
C 6.3 - 0.8	**2115**	0.8	6.3	B	6.3	4.3	8.0	4.0	11.5	90°	0.090	100

Non-insulated tabs, straight version



TYPE A

Characteristics

- To DIN 46342, part 1 and similar versions
- Dimensions in the plug sector to DIN 46244

Material

- Brass (CuZn)

Surface

- Tin-plated to protect against corrosion

Nominal size to DIN	Part No.	Tab Thickn.	Tab Width	Typ	Dimension mm					Weight/pcs. ~kg	Packing unit/pcs
					b1	d2	l1	l2	s		
--	**2123**	0.8	2.8	A	4.5	3.1	13.0	5.5	0.8	0.028	100
A 6.3 - 0.8	**2140**	0.8	6.3	A	8.0	4.3	19.0	8.0	0.8	0.086	100
--	**2145**	0.8	6.3	A	8.0	5.3	19.0	8.0	0.8	0.080	100

Non-insulated tabs for soldering

▸ **Material used offers very good soldering characteristics**

Characteristics

- Dimensions in the plug sector to DIN 46244
- For soldering in printed circuits

Material

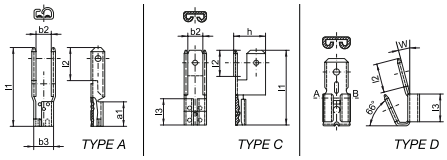
- Brass (CuZn)

Surface

- Tin-plated to protect against corrosion

Part No.	Tab Thickn.	Tab Width	Typ	Dimension mm								Weight/ pcs. ~kg	Packing unit/pcs
				b1	b2	b3	l1	l2	l3	l4	s		
2010	0.8	2.8	A	--	--	--	10.5	6.5	--	--	0.8	0.015	100
2020	0.5	2.8	C	1.0	5	--	--	7.1	8	13.4	0.5	0.025	100
2025	0.8	2.8	C	1.0	5	--	--	7.1	8	13.4	0.8	0.040	100
2030	0.8	6.3	D	3.5	5	6.4	16.0	8.0	4	12.0	0.8	0.065	100
2035	0.8	6.3	E	3.8	5	6.2	16.0	8.0	3	12.0	0.8	0.085	100

Non-insulated multiple tabs



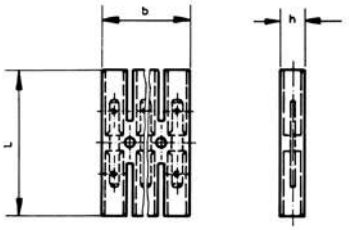
Characteristics
- Dimensions in the plug sector to DIN 46244

Material
- Brass (CuZn)

Surface
- Tin-plated to protect against corrosion

Part No.	Tab Thickn.	Tab Width	Typ	Dimension mm								Weight/pcs. ~kg	Packing unit/pcs
				a1	b2	b3	l1	l2	l3	h	w		
735	0.8	2.8	A	5	3.2	3.1	16.0	6.7	--	--	--	0.060	100
755	0.8	4.8	C	--	4.4	--	20.0	7.0	7.0	8.0	--	0.155	100
725	0.8	6.3	D	--	--	--	--	8	7.5	--	15°	0.115	100
775	0.8	6.3	C	--	--	--	20.5	12	7.5	9.6	--	0.200	100

Flexible connector, tab width 2.8 mm, 4.8 mm and 6.3 mm



No additional insulation required

Characteristics
- With tabs 2.8, 4.8 or 6.3 x 0.8 mm
- 1, 2 and 12-poles
- Further poles on request

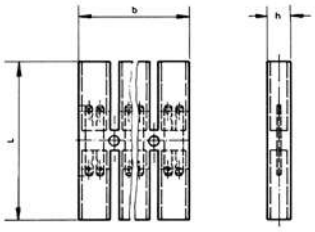
Part No.	Tab Thickn.	Tab Width	Poles	Dimension mm				Insulation material	Bolt size mm		Weight/ pcs. ~kg	Packing unit/pcs
				b	l	h	s		Distance	Diameter		
Tab Width 2.8 mm												
8101	0.8	2.8	1	7.5	35	5.5	0.8	PVC	--	--	0.2	100
8102	0.8	2.8	2	15.0	35	5.5	0.8	PVC	--	2.7	0.3	50
81012	0.8	2.8	12	88.0	35	5.5	0.8	PVC	75	2.7	1.6	10
Tab Width 4.8 mm												
8051	0.8	4.8	1	12.5	28	6.6	0.8	PVC	--	--	0.25	100
8052	0.8	4.8	2	25.0	28	6.6	0.8	PVC	--	3.2	0.50	50
80512	0.8	4.8	12	142.0	28	6.6	0.8	PVC	120	3.2	2.80	10
Tab Width 6.3 mm												
8001	0.8	6.3	1	12.5	28	6.6	0.8	PVC	--	--	0.30	100
8002	0.8	6.3	2	25.0	28	6.6	0.8	PVC	--	3.7	0.55	50
80012	0.8	6.3	12	142.0	28	6.6	0.8	PVC	120	3.7	3.20	10

Polyamide connector, tab width 2.8 and 6.3 mm

▸ No additional insulation required

Characteristics

- With tabs 2.8 x 0.8 mm and 6.3 x 0.8 mm
- 1, 2 and 12-poles
- Further poles on request



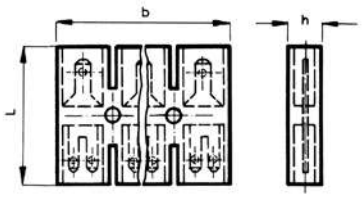
Part No.	Tab Thickn.	Tab Width	Poles	Dimension mm				Insulation material	Bolt size mm		Weight/ pcs. ~kg	Packing unit/pcs
				b	l	h	s		Distance	Diameter		
8011	0.8	6.3 and 2 x 2.8	1	10.0	50	7.5	0.8	PA	--	--	0.25	100
8012	0.8	6.3 and 2 x 2.8	2	22.5	50	7.5	0.8	PA	--	3.1	0.50	50
80112	0.8	6.3 and 2 x 2.8	12	147.5	50	7.5	0.8	PA	125	3.1	3.10	10

Flexible circuit distributor, tab width 2.8 mm

▸ No additional insulation required

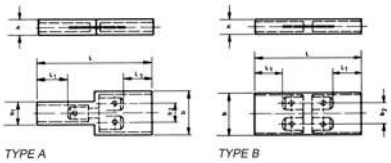
Characteristics

- With tabs 2.8 x 0.8 mm
- 1 and 12-poles
- Further poles on request



Part No.	Tab Thickn.	Tab Width	Poles	Dimension mm				Insulation material	Bolt size mm		Weight/ pcs. ~kg	Packing unit/pcs
				b	l	h	s		Distance	Diameter		
8151	0.8	2.8	1	12.5	28	7	0.8	PVC	--	--	0.25	100
81512	0.8	2.8	12	147.0	28	7	0.8	PVC	123	3.2	2.80	10

Flexible circuit distributor, tab width 6.3 mm

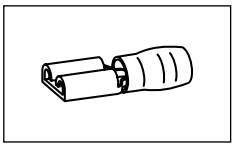


▸ **No additional insulation required**

Characteristics

- With tabs 6.3 x 0.8 mm

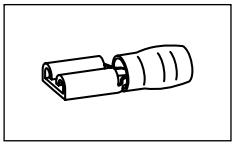
Part No.	Tab Thickn.	Tab Width	Typ	Dimension mm							Insulation material	Weight/ pcs. ~kg	Packing unit/pcs
				b	b1	b2	l	l1	h	s			
816	0.8	6.3	A	21	11.3	9	53	15	7.5	0.8	PVC	0.60	10
817	0.8	6.3	B	20	11.3	9	51	13	7.0	0.8	PVC	0.65	10



Tool application chart

Insulated cable connections

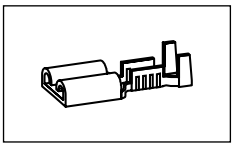
Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	0,1 - 1	K80		218		⬭
	0,5 - 6	K82		219		⬭
	0,5 - 6	K82T		220		⬭
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	0,1 - 16	K50		235	313	⬭
		EK50ML		244	313	⬭
	0,5 - 6	K507		234		⬭
Battery powered crimping tools	0,1 - 16	EK1550ML		248	313	⬭



Tool application chart

Butt connectors with heat shrink insulation

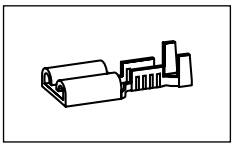
Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	0,1 - 16	K50		235	313	⬭
		EK50ML		244	313	⬭
	0,5 - 6	K82T		220		⬭
Battery powered crimping tools	0,1 - 16	EK1550ML		248	313	⬭



Tool application chart

Non-insulated receptacles, straight type

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	0.1 - 1	K572		221		
	0.5 - 2.5	K582		221		
		K65		222		
	0.5 - 6	K592		222		
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	0.25 - 6	K50		235	313	
		EK50ML		244	313	
Battery powered crimping tools	0.25 - 6	EK1550ML		248	313	



Tool application chart

Non-insulated receptacles, with lateral conductor connector

Tool type	Crimping range corresponds to nominal cross-section mm²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	3720, 3735	K50		235	313	
		EK50ML		244	313	
	3725	K50		235	313	
		EK50ML		244	313	
Battery powered crimping tools	3720, 3735	EK1550ML		248	313	
	3725	EK1550ML		248	313	

PRACTICAL - POCKET BOXES AND ASSORTMENT BOXES

A good professional is always well sorted. The most important thing is the availability of tool and connector material. In Klauke assortment boxes from robust metal, the tools are supplied with matching cable lugs and connectors. Everything matches. Materials and tools have their own space - clearly arranged and immediately to hand. The boxes equip you for every application. On request, we can also stock them to suit your individual needs.

In brief

- Brings order to the workplace due to clearly arranged design
- Everything to hand in one box
- Stocked to suit your needs and numerous versions available

Practical and always to hand

With the practical pocket boxes, everything has its place and is always to hand, on the go and in the workshop. Chute openings for stackable pocket boxes simplify the removal of cable end-sleeves.

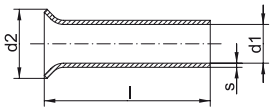
- Cable-end sleeves with and without insulation always to hand
- Practical chute opening for easy removal
- Stackable box
- Tough and impact-proof plastic

Our range, your order

We have already compiled an assortment for you.
We offer pre-filled boxes for various applications.
You can also fill the robust box yourself if you want.

- High-quality boxes made from plastic or metal
- Contains tool and connectors matched to one other
- Even if exposed to severe vibrations or dropped, everything remains in the right compartment
- Boxes also available empty or custom-filled

ST 23 B Pocket box with cable end-sleeves 0.25 - 1 mm²



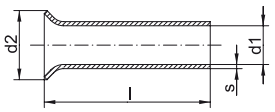
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item				Part No.
Pocket box with cable end-sleeves 0.25 - 1 mm² to DIN 46228 part 1				**ST23B**
Scope of supply	Description	l mm	Quantity	Page
ST23L	Pocket box		1	
695V	Cable end-sleeve, 0.25 mm², 5 mm	5	1000	136
705V	Cable end-sleeve, 0.34 mm², 5 mm, Cu tinned	5	1000	136
716V	Cable end-sleeve, 0.75 mm², 6 mm	6	1000	136
71S6V	Cable end-sleeve, 0.5 mm², 6 mm, Cu tinned	6	500	136
72S6V	Cable end-sleeve, 1.0 mm², 6 mm	6	500	136

ST 21 B Pocket box with cable end-sleeves 0.5 - 2.5 mm²



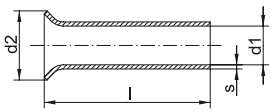
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item				Part No.
Pocket box with cable end-sleeves 0.5 - 2.5 mm² to DIN 46228 part 1				**ST21B**
Scope of supply	Description	l mm	Quantity	Page
ST21L	Pocket box		1	
71S6V	Cable end-sleeve, 0.5 mm², 6 mm, Cu tinned	6	1000	136
716V	Cable end-sleeve, 0.75 mm², 6 mm	6	500	136
72S6V	Cable end-sleeve, 1.0 mm², 6 mm	6	500	136
727V	Cable end-sleeve, 1.5 mm², 7 mm	7	500	136
737V	Cable end-sleeve, 2.5 mm², 7 mm	7	500	136

ST 22 B Pocket box with cable end-sleeves 4 - 16 mm²



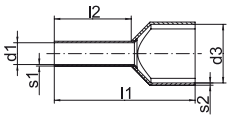
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item				Part No.
Pocket box with cable end-sleeves 4 - 16 mm² to DIN 46228 part 1				**ST22B**
Scope of supply	Description	l mm	Quantity	Page
ST22L	Pocket box		1	
749V	Cable end-sleeve, 4 mm², 9 mm	9	200	137
7512V	Cable end-sleeve, 6 mm², 12 mm, Cu tinned	12	100	137
7612V	Cable end-sleeve, 10 mm², 12 mm, Cu tinned	12	70	137
7712V	Cable end-sleeve, 16 mm², 12 mm, Cu tinned	12	70	137

ST 15 B Pocket box with insulated twin cable end-sleeves 2 x 0.75 - 2 x 2.5 mm²



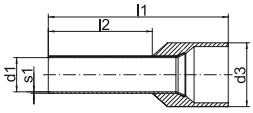
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with twin cable end-sleeves 2 x 0.75 - 2 x 2.5 mm²					**ST15B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST15L		Pocket box		1	
8708		Insl. twin cable end-sleeve, 2 x 0.75 mm²	8	50	145
8718		Insl. twin cable end-sleeve, 2 x 1 mm²	8	50	145
8728		Insl. twin cable end-sleeve, 2 x 1.5 mm²	8	50	145
87310		Insl. twin cable end-sleeve, 2 x 2.5 mm²	10	50	145

ST 1 B pocket box with insl. cable end-sleeves 0.5 - 2.5 mm², DIN 46228 Part 4



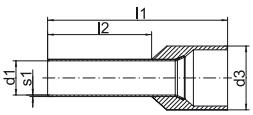
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with insl. cable end-sleeves 0.5 - 2.5 mm², DIN 46228 Part 4, colour code 1					**ST1B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST1L		Pocket box		1	
169O		Insl. cable end-sleeve, 0.5 mm², 14 mm	8	50	140
170W		Insl. cable end-sleeve, 0.75 mm², 14.6 mm	8	100	141
171G		Insl. cable end-sleeve, 1 mm², 14.6 mm	8	100	141
172RO		Insl. cable end-sleeve, 1.5 mm², 14.6 mm	8	100	141
173B		Insl. cable end-sleeve, 2.5 mm², 15.2 mm	8	50	141

ST 11 B pocket box with insl. cable end-sleeves 0.5 - 2.5 mm², DIN 46228 Part 4



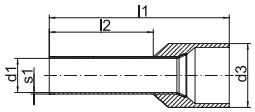
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with insl. cable end-sleeves 0.5 - 2.5 mm², DIN 46228 Part 4					**ST11B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST11L		Pocket box		1	
4698		Insl. Cable end-sleeve, 0.5 mm², 14 mm	8	50	139
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	8	100	139
4718		Insl. cable end-sleeve, 1 mm², 14 mm	8	100	139
4728		Insl. cable end-sleeve, 1.5 mm², 14 mm	8	100	139
4738		Insl. cable end-sleeve, 2.5 mm², 14 mm	8	50	139

ST 31 B pocket box with insl. cable end-sleeves 0.5 - 2.5 mm², DIN 46228 Part 4, colour code 2



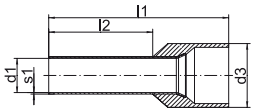
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with insl. cable end-sleeves 0.5 - 2.5 mm², DIN 46228 Part 4, colour code 2					**ST31B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST31L		Pocket box		1	
1698		Insl. cable end-sleeve, 0.5 mm², 13 mm	8	50	142
1708		Insl. cable end-sleeve, 0.75 mm², 13.5 mm	6	100	142
1718		Insl. cable end-sleeve, 1 mm², 13.5 mm	8	100	142
1728		Insl. cable end-sleeve, 1.5 mm², 13.5 mm	8	100	142
1738		Insl. cable end-sleeve, 2.5 mm², 14.5 mm	8	50	142

ST 12 B pocket box with insl. cable end-sleeves 4 - 16 mm², DIN 46228 Part 4



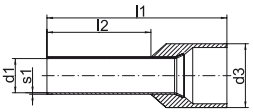
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with insl. cable end-sleeves 4 - 16 mm², DIN 46228 Part 4					**ST12B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST12L		Pocket box		1	
47410		Insl. cable end-sleeve, 4 mm², 17 mm	10	50	139
47512		Insl. cable end-sleeve, 6 mm², 20 mm	12	20	139
47612		Insl. cable end-sleeve, 10 mm², 22 mm	12	20	139
47712		Insl. cable end-sleeve, 16 mm², 24 mm	12	10	140

ST 2 B pocket box with insl. cable end-sleeves 4 - 16 mm², DIN 46228 Part 4, colour code 1



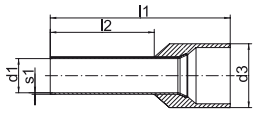
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with insl. cable end-sleeves 4 - 16 mm², DIN 46228 Part 4, colour code 1					**ST2B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST2L		Pocket box		1	
174GR		Insl. cable end-sleeve, 4 mm², 16.5 mm	10	50	141
175S		Insl. cable end-sleeve, 6 mm², 20 mm	12	20	141
176E		Insl. cable end-sleeve, 10 mm², 21.5 mm	12	20	141
177GR		Insl. cable end-sleeve, 16 mm², 22.2 mm	12	10	141

ST 32 B pocket box with insl. cable end-sleeves 4 - 16 mm², DIN 46228 Part 4, colour code 2



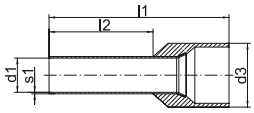
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with insl. cable end-sleeves 4 - 16 mm², DIN 46228 Part 4, colour code 2					**ST32B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST32L		Pocket box		1	
17410		Insl. cable end-sleeve, 4 mm², 16.5 mm	10	50	142
17512		Insl. cable end-sleeve, 6 mm², 20 mm	18	20	142
17612		Insl. cable end-sleeve, 10 mm², 21.5 mm	12	20	143
17712		Insl. cable end-sleeve, 16 mm², 23.5 mm	12	10	143

ST 3 B pocket box with insl. cable end-sleeves 0.25 - 1 mm², DIN 46228 Part 4, colour code 1



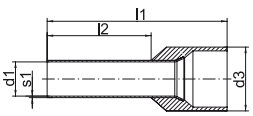
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with insl. cable end-sleeves 0.25 - 1 mm², DIN 46228 Part 4, colour code 1					**ST3B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST3L		Pocket box		1	
167H		Insl. cable end-sleeve, 0.25 mm², 10.4 mm	6	30	140
168T		Insl. cable end-sleeve, 0.34 mm², 10.4 mm	6	30	140
1690		Insl. cable end-sleeve, 0.5 mm², 14 mm	8	30	140
170W		Insl. cable end-sleeve, 0.75 mm², 14.6 mm	8	30	141
171G		Insl. cable end-sleeve, 1 mm², 14.6 mm	8	30	141

ST 13 B pocket box with insl. cable end-sleeves 0.25 - 1 mm², DIN 46228 Part 4 & similar, colour code 1



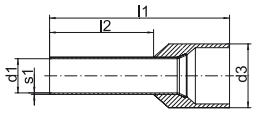
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item					Part No.
Pocket box with insl. cable end-sleeves 0.25 - 1 mm², DIN 46228 Part 4 & similar, colour code 1					**ST13B**
Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST13L		Pocket box		1	
167H		Insl. cable end-sleeve, 0.25 mm², 10.4 mm	6	30	140
168T		Insl. cable end-sleeve, 0.34 mm², 10.4 mm	6	30	140
4698		Insl. Cable end-sleeve, 0.5 mm², 14 mm	8	30	139
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	8	30	139
4718		Insl. cable end-sleeve, 1 mm², 14 mm	8	30	139

ST 33 B pocket box with insl. cable end-sleeves 0.25-1 mm², DIN 46228 Part 4 & similar, colour code 2



▸ Pocket box made from impact-resistant plastic

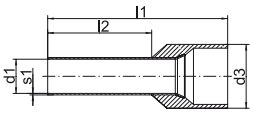
Characteristics

- Stackable and resealable

Item	Part No.
Pocket box with insl. cable end-sleeves 0.25 - 1 mm², DIN 46228 Part 4 & similar, colour code 2	**ST33B**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
ST33L		Pocket box		1	
1676		Insl. cable end-sleeve, 0.25 mm², 11 mm	6	30	142
1686		Insl. cable end-sleeve, 0.34 mm², 11 mm	6	30	142
1698		Insl. cable end-sleeve, 0.5 mm², 13 mm	6	30	142
1708		Insl. cable end-sleeve, 0.75 mm², 13.5 mm	8	30	142
1718		Insl. cable end-sleeve, 1 mm², 13.5 mm	8	30	142

GR 4698 DO Pocket box with insulated cable end-sleeves 0.5 mm²



▸ Pocket box made from impact-resistant plastic

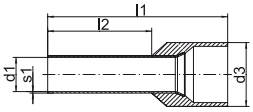
Characteristics

- Stackable and resealable

Item	Part No.
Pocket box with insulated cable end-sleeves 0.5 mm² to DIN 46228 part 4	**GR4698DO**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
4698		Insl. Cable end-sleeve, 0.5 mm², 14 mm	8	1000	139

GR 4708 DO Pocket box with insulated cable end-sleeves 0.75 mm²



▸ Pocket box made from impact-resistant plastic

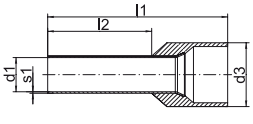
Characteristics

- Stackable and resealable

Item	Part No.
Pocket box with insulated cable end-sleeves 0.75 mm² DIN 46228 part 4	**GR4708DO**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	8	1000	139

GR 4718 DO Pocket box with insulated cable end-sleeves 1 mm²



▸ Pocket box made from impact-resistant plastic

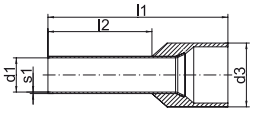
Characteristics

- Stackable and resealable

Item	Part No.
Pocket box with insulated cable end-sleeves 1 mm² DIN 46228 part 4	**GR4718DO**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
4718		Insl. cable end-sleeve, 1 mm², 14 mm	8	1000	139

GR 4728 DO Pocket box with insulated cable end-sleeves 1.5 mm²



▸ Pocket box made from impact-resistant plastic

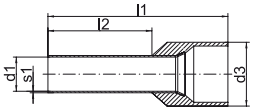
Characteristics

- Stackable and resealable

Item	Part No.
Pocket box with insulated cable end-sleeves 1.5 mm² DIN 46228 part 4	**GR4728DO**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
4728	■	Insl. cable end-sleeve, 1.5 mm², 14 mm	8	1000	139

GR 4738 DO Pocket box with insulated cable end-sleeves 2.5 mm²



▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item	Part No.
Pocket box with insulated cable end-sleeves 2.5 mm² DIN 46228 part 4	**GR4738DO**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
4738	■	Insl. cable end-sleeve, 2.5 mm², 14 mm	8	1000	139

ST 5 L assortment of empty pocket boxes

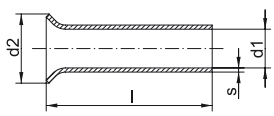
▸ Pocket box made from impact-resistant plastic

Characteristics

- Stackable and resealable

Item	Part No.
Assortment of pocket boxes	**ST5L**

SK 30 B Steel assortment box with cable end-sleeves and crimping tool

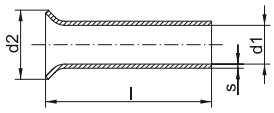


▸ Hammer-tone finished assortment box
▸ Ideal for workshop equipment

Item	Dimension mm	Part No.
Steel assortment box with cable end-sleeves and crimping tool	200 x 140 x 40	**SK30B**

Scope of supply	Description	l mm	Quantity	Page
SK30L	Steel carrying case		1	191
K48	Crimping tool for cable end-sleeves 0.14 - 2.5 mm²	6	1	210
716V	Cable end-sleeve, 0.75 mm², 6 mm	6	1000	136
72S6V	Cable end-sleeve, 1.0 mm², 6 mm	6	1000	136
727V	Cable end-sleeve, 1.5 mm², 7 mm	7	1000	136
737V	Cable end-sleeve, 2.5 mm², 7 mm	7	1000	136

SK 32 B Steel assortment box with cable end-sleeves and crimping tool

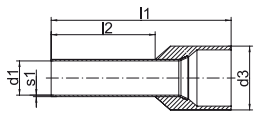


- Broad cable end-sleeve assortment appropriate crimping tool
- Hammer-tone finished assortment box
- Ideal for workshop equipment

Item	Dimension mm	Part No.
Steel assortment box with cable end-sleeves and crimping tool	285 x 155 x 45	**SK32B**

Scope of supply	Description	l mm	Quantity	Page
SK32L	Steel carrying case		1	191
K3	Crimping tool for cable end-sleeves 0.5 - 16 mm²	8	1	209
716V	Cable end-sleeve, 0.75 mm², 6 mm	6	1000	136
72S6V	Cable end-sleeve, 1.0 mm², 6 mm	6	1000	136
727V	Cable end-sleeve, 1.5 mm², 7 mm	6	1000	136
737V	Cable end-sleeve, 2.5 mm², 7 mm	7	500	136
749V	Cable end-sleeve, 4 mm², 9 mm	9	500	137
7510V	Cable end-sleeve, 6 mm², 10 mm	10	500	137
7618V	Cable end-sleeve, 10 mm², 18 mm	18	250	137
7718V	Cable end-sleeve, 16 mm², 18 mm	18	150	137

SK 45 B Steel assortment box with insl. cable end-sleeves and crimping tool

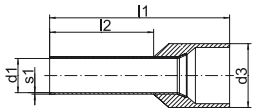


- Four of the most important insulated cable end-sleeve types in a steel carrying case including an appropriate crimping tool
- Hammer-tone finished assortment box
- Ideal for workshop equipment

Item	Dimension mm	Part No.
Steel assortment box with insl. cable end-sleeves and crimping tool	200 x 140 x 40	**SK45B**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
SK30L		Steel carrying case		1	191
K48		Crimping tool for cable end-sleeves 0.14 - 2.5 mm²	8	1	210
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	8	300	139
4718		Insl. cable end-sleeve, 1 mm², 14 mm	8	300	139
4728		Insl. cable end-sleeve, 1.5 mm², 14 mm	8	300	139
4738		Insl. cable end-sleeve, 2.5 mm², 14 mm		200	139

SK 47 B Steel assortment box with insl. cable end-sleeves and crimping tool

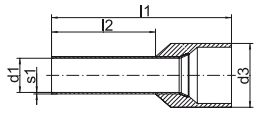


- Flexible use due to large cross-sectional range
- Hammer-tone finished assortment box
- Ideal for workshop equipment

Item	Dimension mm	Part No.
Steel assortment box with insl. cable end-sleeves and crimping tool	285 x 155 x 45	**SK47B**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
SK32L		Steel carrying case		1	191
K3		Crimping tool for cable end-sleeves 0.5 - 16 mm²		1	209
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	8	200	139
4718		Insl. cable end-sleeve, 1 mm², 14 mm	8	200	139
4728		Insl. cable end-sleeve, 1.5 mm², 14 mm	8	200	139
4738		Insl. cable end-sleeve, 2.5 mm², 14 mm	8	200	139
47410		Insl. cable end-sleeve, 4 mm², 17 mm	10	100	139
47512		Insl. cable end-sleeve, 6 mm², 20 mm	12	100	139
47618		Insl. cable end-sleeve, 10 mm², 28 mm	18	100	139
47718		Insl. cable end-sleeve, 16 mm², 28 mm	18	50	140

SK 30/3 P Assortment box from plastic with insl. cable end-sleeves and tools

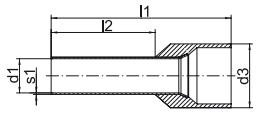


- With everything needed for conductor preparation
- The exact-shaped foam inlays of the case prevent the contents slipping even with severe impacts

Item	Dimension mm	Part No.
Plastic assortment box with insl. cable end-sleeves and tools	395 x 295 x 106	**SK303P**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
K432		Automatic wire stripper K43/2 0.02 - 10 mm²		1	525
K303		Crimping tool for cable end-sleeves and twin cable end-sleeves 0.08 - 10 mm²	8	1	214
4698		Insl. Cable end-sleeve, 0.5 mm², 14 mm	8	400	139
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	8	400	139
4718		Insl. cable end-sleeve, 1 mm², 14 mm	8	400	139
4728		Insl. cable end-sleeve, 1.5 mm², 14 mm	8	400	139
4738		Insl. cable end-sleeve, 2.5 mm², 14 mm	10	200	139
47410		Insl. cable end-sleeve, 4 mm², 17 mm	12	200	139
47512		Insl. cable end-sleeve, 6 mm², 20 mm	12	100	139
47612		Insl. cable end-sleeve, 10 mm², 22 mm		100	139

SK 30/3 S Assortment box from plastic with insl. cable end-sleeves and crimping tool

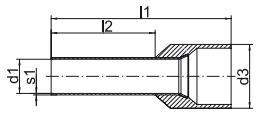


- With everything needed for conductor preparation
- The exact-shaped foam inlays of the case prevent the contents slipping even with severe impacts

Item	Dimension mm	Part No.
Plastic assortment box with insl. cable end-sleeves and crimping tool	275 x 230 x 83	**SK303S**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
K303		Crimping tool for cable end-sleeves and twin cable end-sleeves 0.08 - 10 mm²		1	214
4698		Insl. Cable end-sleeve, 0.5 mm², 14 mm	8	100	139
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	8	100	139
4718		Insl. cable end-sleeve, 1 mm², 14 mm	8	100	139
4728		Insl. cable end-sleeve, 1.5 mm², 14 mm	8	100	139
4738		Insl. cable end-sleeve, 2.5 mm², 14 mm	10	50	139
47410		Insl. cable end-sleeve, 4 mm², 17 mm	12	50	139
47512		Insl. cable end-sleeve, 6 mm², 20 mm	18	30	139
47612		Insl. cable end-sleeve, 10 mm², 22 mm	18	30	139

SK 43 NB Assortment box from plastic with insl. cable end-sleeves and tools



- With everything needed for conductor preparation
- Ideal for workshop equipment

Item	Dimension mm	Part No.
Steel assortment box with insl. cable end-sleeves and tools	370 x 210 x 40	**SK43NB**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
SK43L		Steel carrying case		1	191
K432		Automatic wire stripper K43/2 0.02 - 10 mm²		1	525
K32		TWIST-it Crimping tool for cable end-sleeves and twin cable end-sleeves 0.14 - 10 mm²		1	211
4698		Insl. cable end-sleeve, 0.5 mm², 14 mm	8	500	139
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	8	500	139
4718		Insl. cable end-sleeve, 1 mm², 14 mm	8	400	139
4728		Insl. cable end-sleeve, 1.5 mm², 14 mm	8	400	139
4738		Insl. cable end-sleeve, 2.5 mm², 14 mm	10	300	139
47410		Insl. cable end-sleeve, 4 mm², 17 mm	12	100	139
47512		Insl. cable end-sleeve, 6 mm², 20 mm	18	100	139
47612		Insl. cable end-sleeve, 10 mm², 22 mm	18	100	139

SK 65 B Assortment box from steel with tubular cable lugs and crimping tool

- Hammer-tone finished assortment box
- Ideal for workshop equipment

Characteristics

- Sturdy steel carrying case with lock and handle

Item	Dimension mm	Part No.
Steel assortment box with tubular cable lugs "standard type" and crimping tool K05	400 x 250 x 50	**SK65B**

Scope of supply	Description	Quantity	Page
SK65L	Steel carrying case	1	193
K05	Crimping tool for tubular cable lugs and connectors, standard type 6 - 50 mm²	1	229
1R6	Tubular cable lug without inspection hole, 6 mm², M6, Cu tinned	25	14
1R8	Tubular cable lug without inspection hole, 6 mm², M8, Cu tinned	25	14
2R6	Tubular cable lug without inspection hole, 10 mm², M6, Cu tinned	25	14
2R8	Tubular cable lug without inspection hole, 10 mm², M8, Cu tinned	25	14
3R8	Tubular cable lug without inspection hole, 16 mm², M8, Cu tinned	25	14
3R10	Tubular cable lug without inspection hole, 16 mm², M10, Cu tinned	25	14
4R8	Tubular cable lug without inspection hole, 25 mm², M8, Cu tinned	25	14
4R10	Tubular cable lug without inspection hole, 25 mm², M10, Cu tinned	25	14
5R8	Tubular cable lug without inspection hole, 35 mm², M8, Cu tinned	20	14
5R10	Tubular cable lug without inspection hole, 35 mm², M10, Cu tinned	20	14
6R10	Tubular cable lug without inspection hole, 50 mm², M10, Cu tinned	20	15
6R12	Tubular cable lug without inspection hole, 50 mm², M12, Cu tinned	20	15

EVERYTHING UNDER CONTROL!

A selection of the most commonly used tubular cable lugs, including crimping tool arranged in an assortment box. There are also other packages in an L-BOXX. (see page 200, for example)

The perfectly coordinated L-BOXXes stand for intelligent mobility and are used for storage and for transport from the workshop to the construction site.

SK 50 B Steel assortment box with DIN compressed cable lugs and crimping tool

- Hammer-tone finished assortment box
- Ideal for workshop equipment

Characteristics

- Sturdy steel carrying case with lock and handle

Item	Dimension mm	Part No.
Steel assortment box with DIN compression cable lugs and crimping tool	400 x 250 x 50	**SK50B**

Scope of supply	Description	Quantity	Page
SK65L	Steel carrying case	1	193
K05D	Crimping tool for compression cable lugs and connectors (DIN 46235 / DIN 46267, Part 1) 6 - 50 mm²	1	230
101R5	Compression cable lug, DIN 46235, 6 mm², M5, Cu tinned	50	56
101R6	Compression cable lug, DIN 46235, 6 mm², M6, Cu tinned	50	56
102R5	Compression cable lug, DIN 46235, 10 mm², M5, Cu tinned	50	56
102R6	Compression cable lug, DIN 46235, 10 mm², M6, Cu tinned	50	56
103R8	Compression cable lug, DIN 46235, 16 mm², M8, Cu tinned	25	56
103R10	Compression cable lug, DIN 46235, 16 mm², M10, Cu tinned	25	56
104R8	Compression cable lug, DIN 46235, 25 mm², M8, Cu tinned	25	56
104R10	Compression cable lug, DIN 46235, 25 mm², M10, Cu tinned	25	56
105R8	Compression cable lug, DIN 46235, 35 mm², M8, Cu tinned	20	56
105R10	Compression cable lug, DIN 46235, 35 mm², M10, Cu tinned	20	56
106R10	Compression cable lug, DIN 46235, 50 mm², M10, Cu tinned	15	57
106R12	Compression cable lug, DIN 46235, 50 mm², M12, Cu tinned	15	57

MK 230 B 507 Steel assortment box with insl. cable connections and crimping tool

- Hammer-tone finished assortment box
- Ideal for workshop equipment

Item	Dimension mm	Part No.
Steel assortment box with insl. cable connections and crimping tool	366 x 230 x 51	**MK230B507**

Scope of supply	Colour	Description	Quantity	Page
MK230L		Steel carrying case	1	192
K507		Crimping tool with replaceable dies	1	234
6204		Insl. solderless terminal M4, 0.5 - 1 mm²	50	154
6205		Insl. solderless terminal M5, 0.5 - 1 mm²	50	154
6206		Insl. solderless terminal M6, 0.5 - 1 mm²	50	154
6304		Insl. solderless terminal M4, 1.5 - 2.5 mm²	50	154
6305		Insl. solderless terminal M5, 1.5 - 2.5 mm²	50	154
6306		Insl. solderless terminal M6, 1.5 - 2.5 mm²	50	154
670		Insl. butt connector, 0.5 - 1 mm²	50	163
680		Insl. butt connector, 1.5 - 2.5 mm²	50	163
705		Insl. pin terminal, 0.5 - 1 mm², 22 mm	50	156
710		Insl. pin terminal, 1.5 - 2.5 mm², 23 mm	50	156
730		Insl. receptacle 6.3 x 0.8 mm, 1.5 - 2.5 mm²	50	159
830		Insl. tab 6.3 x 0.8 mm, 1.5 - 2.5 mm²	50	162
620C4		Insl. solderless terminal M4, 0.5 - 1 mm²	50	155
630C4		Insl. solderless terminal M4, 1.5 - 2.5 mm²	50	155
715		Insl. pin terminal, 4 - 6 mm², 26 mm	25	156
700		Insl. butt connector, 4 - 6 mm²	25	163
6505		Insl. solderless terminal M5, 4 - 6 mm²	25	154
6506		Insl. solderless terminal M6, 4 - 6 mm²	25	154
650C6		Insl. solderless terminal M6, 4 - 6 mm²	25	155

SK 82 P Assortment box from plastic with insl. cable connections and tools

- With everything needed for conductor preparation
- The exact-shaped foam inlays of the case prevent the contents slipping even with severe impacts

Item	Dimension mm	Part No.
Plastic assortment box with insl. cable connections and tools	395 x 295 x 106	**SK82P**

Scope of supply	Colour	Description	Quantity	Page
K432		Automatic wire stripper K43/2 0.02 - 10 mm²	1	525
K82A		Crimping tool for insulated cable connections 0.5 - 6 mm²	1	219
6204		Insl. solderless terminal M4, 0.5 - 1 mm²	50	154
6205		Insl. solderless terminal M5, 0.5 - 1 mm²	50	154
670		Insl. butt connector, 0.5 - 1 mm²	50	163
720		Insl. receptacle 6.3 x 0.8 mm, 0.5 - 1 mm²	50	159
6304		Insl. solderless terminal M4, 1.5 - 2.5 mm²	50	154
6305		Insl. solderless terminal M5, 1.5 - 2.5 mm²	50	154
680		Insl. butt connector, 1.5 - 2.5 mm²	50	163
730		Insl. receptacle 6.3 x 0.8 mm, 1.5 - 2.5 mm²	50	159
6505		Insl. solderless terminal M5, 4 - 6 mm²	20	154
6506		Insl. solderless terminal M6, 4 - 6 mm²	20	154
700		Insl. butt connector, 4 - 6 mm²	20	163
715		Insl. pin terminal, 0.1 - 0.4 mm², 26 mm	20	156
620C4		Insl. solderless terminal M4, 0.5 - 1 mm²	20	155
630C4		Insl. solderless terminal M4, 1.5 - 2.5 mm²	20	155
705		Insl. pin terminal, 0.5 - 1 mm², 22 mm	20	156
710		Insl. pin terminal, 1.5 - 2.5 mm², 23 mm	20	156

SK 82 S Assortment box from plastic with insl. cable connections and crimping tool

- The exact-shaped foam inlays of the case prevent the contents slipping even with severe impacts

Item	Part No.
Plastic assortment box with insl. cable connections and crimping tool	**SK82S**

Scope of supply	Colour	Description	Quantity	Page
K82A		Crimping tool for insulated cable connections 0.5 - 6 mm²	1	219
6204		Insl. solderless terminal M4, 0.5 - 1 mm²	20	154
6205		Insl. solderless terminal M5, 0.5 - 1 mm²	20	154
670		Insl. butt connector, 0.5 - 1 mm²	20	163
720		Insl. receptacle 6.3 x 0.8 mm, 0.5 - 1 mm²	20	159
6304		Insl. solderless terminal M4, 1.5 - 2.5 mm²	20	154
680		Insl. butt connector, 1.5 - 2.5 mm²	20	163
730		Insl. receptacle 6.3 x 0.8 mm, 1.5 - 2.5 mm²	20	159
6305		Insl. solderless terminal M5, 1.5 - 2.5 mm²	20	154

SK 30 L Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics

- 4 small and 1 large additional compartments with lock

Suitable for

- For optional storage of crimping tools type K1, K4, K46 and K48

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	200 x 140 x 40	1.2	**SK30L**

SK 32 L Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics

- 8 small and 1 large additional compartments with lock

Suitable for

- For optional storage of crimping tools type K3 and K35

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	285 x 155 x 45	1.3	**SK32L**

SK 4 L Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics

- 6 small and 1 large additional compartments with lock

Suitable for

- For optional storage of crimping tools type K02, K2, K16, K25, K28 and K29

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	370 x 160 x 40	1.4	**SK4L**

SK 43 L Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics

- 8 small and 2 large additional compartments with lock

Suitable for

- For storage of crimping tool K 32 and wire stripper K 41

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	370 x 210 x 40	1.9	**SK43L**

MK 55 Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics
- 8 small and 1 large additional compartments with lock

Suitable for
- For storage of 8 pairs of dies and crimping tool K50

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	245 x 130 x 37	0.7	**MK55**

MK 210 L Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics
- 4 small and 1 large additional compartments with lock

Suitable for
- For storage of crimping tools K 10 or K 82

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	250 x 155 x 40	1.0	**MK210L**

MK 220 L Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics
- 8 small and 1 large additional compartments with lock

Suitable for
- For storage of crimping tools K 10 or K 82

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	370 x 160 x 40	1.4	**MK220L**

MK 230 L Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics
- 19 small and 1 large additional compartments with lock and handle

Suitable for
- For storage of crimping tools K 10 or K 82

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	366 x 230 x 51	2.4	**MK230L**

SK 65 L Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics
- 12 small and 1 large additional compartments with lock and handle

Suitable for
- For storage of crimping tools type K 05, K 05 BC, K 35/4

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	400 x 250 x 50	2.3	**SK65L**

MK 18 Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics
- 34 small and 1 large additional compartments with lock and handle

Suitable for
- For storage of 34 pairs of dies and crimping tool K 18

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	605 x 300 x 50	4.6	**MK18**

MK 22 Steel carrying case

▸ Hammer-tone finished assortment box

Characteristics
- 17 small and 1 large additional compartments with lock and handle

Suitable for
- For storage of 17 pairs of dies and crimping tool K 22

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	600 x 220 x 65	3.5	**MK22**

KKPE Plastic case

Characteristics
- With lock and handle

Suitable for
- For storing complete crimping die sets

Item	Part No.
Plastic case	**KKPE**
Plastic case	**KKPEH25**
Plastic case for crimping dies of series 13	**KKPE13**

MKU Steel carrying case with wheels

▸ Hammer-tone finished assortment box

Characteristics

- With additional compartment for dies with lock and handle

Suitable for

- For storage of hydraulic crimping tools HK12/2, HK25/2 or HK45

Item	Dimension mm	Weight kg	Part No.
Steel carrying case	810 x 310 x 210	10.0	**MKU**

TT2 Carrying case

Suitable for

- For storing all crimping and cutting heads (excluding SDK 105, SDK 120 and PK1000)

Item	Weight kg	Part No.
Carrying bag	0.48	**TT2**

TT4 Carrying case

Suitable for

- For storage of cutting heads SDK 105 and SDK 120

Item	Weight kg	Part No.
Carrying bag	0.73	**TT4**

SYSTEMATIC ORDER - L-BOXX FROM BS SYSTEMS

We must have order, especially when on the go. L-Boxx from BS Systems is a well thought out arrangement system for safely transporting your Klauke tool and connectors no matter what. Klauke products are safely stowed in the L-Boxx - matched to your individual equipment. Keep the overview!

In brief

- Available in various sizes
- Maximum protection due to shock and impact resistant materials
- Easy to transport with practical handle on the cover and the sides
- Simple stacking of several boxes thanks to click system

Large or small?

The L-Boxx provides the right tool every time. Select what you need from the broad range of sizes. The boxes are always shock and impact resistant and and can be stacked without risk of slipping due to a click system.

- Available in various sizes
- Shock and impact resistant
- Easy to transport with practical handles on the cover and on the sides
- Safe transportation and storage due to click system

Everything practically packed

The L-Box doesn't just stow your tools - they also assign them exactly the right storage location. Trust in our Klauke system of pre-stocked boxes for various applications.

- Pre-stocked boxes equipped to your needs
- Choice for differing areas of applications
- Everything to hand in one box

Sorted on the go

Do you need your toolboxes on the go? With the TÜV-tested Sortimo vehicle equipment, all Klauke tools and ranges can be systematically and safely transported in L-Boxxes.

- Quickly located thanks to the Sortimo system overview
- Avoid injury by securing the boxes against accidents and braking actions
- Short searching time for efficient operations

L-BOXX 65B from plastic with standard equipment for electrical installations

Comprehensive equipment for conductor preparation, comprising cable cutter, cable knife, crimping tool and connectors

Characteristics

- Manufactured from shock and impact resistant ABS plastic, very robust, 100 kg capacity
- Stackable using an Easy-Click system, which allows easy opening and closing

Item	Dimension mm	Part No.
L-BOXX from plastic with standard equipment for electrical installations	442 x 357 x 117	**LBOXX65B**

Scope of supply	Description	Quantity	Page
K05	Crimping tool for tubular cable lugs and connectors, standard type 6 - 50 mm²	1	229
K100	Hand-operated cutting tool for Cu and Al cables to 14 mm dia.	1	348
KL740416	Cable knife, without blade 4 - 16 mm dia.	1	528
1R6	Tubular cable lug without inspection hole, 6 mm², M6, Cu tinned	25	14
1R8	Tubular cable lug without inspection hole, 6 mm², M8, Cu tinned	25	14
2R6	Tubular cable lug without inspection hole, 10 mm², M6, Cu tinned	25	14
2R8	Tubular cable lug without inspection hole, 10 mm², M8, Cu tinned	25	14
3R10	Tubular cable lug without inspection hole, 16 mm², M10, Cu tinned	25	14
4R8	Tubular cable lug without inspection hole, 25 mm², M8, Cu tinned	20	14
4R10	Tubular cable lug without inspection hole, 25 mm², M10, Cu tinned	20	14
5R8	Tubular cable lug without inspection hole, 35 mm², M8, Cu tinned	20	14
5R10	Tubular cable lug without inspection hole, 35 mm², M10, Cu tinned	20	14
6R10	Tubular cable lug without inspection hole, 50 mm², M10, Cu tinned	15	15
LBOXX102LFG	L-BOXX with front handle	1	

L-BOXX with electromechanical crimping tool EK 50 ML 0.14 to 50 mm² and extensive additional equipment

Item	Dimension mm	Part No.
L-BOXX with electromechanical crimping tool EK 50 ML 0.14 - 50 mm² and extensive additional equipment	442 x 357 x 151	**LBOXXEK50ML**

Scope of supply	Description	Quantity	Page
RAML1	Battery 10.8 V / 1.5 Ah, Li-Ion (16.2 Wh)	1	485
LGML1	Charger for 10.8 V Li-Ion batteries, 230 V	1	487
K118	Hand-operated cutting tool for Cu and Al cables to 12 mm dia.	1	348
AE502	Crimping dies AE 50, 10 - 25 mm²	1	312
47612	Insl. cable end-sleeve, 10 mm², 22 mm	50	139
47712	Insl. cable end-sleeve, 16 mm², 24 mm	50	140
47818	Insl. cable end-sleeve DIN 46228 part 4, 25 mm²	25	140
R505	Crimping dies R 50, 16 - 25 mm²	1	312
3R8	Tubular cable lug without inspection hole, 16 mm², M8, Cu tinned	25	14
4R8	Tubular cable lug without inspection hole, 25 mm², M8, Cu tinned	25	14
AE503	Crimping dies AE 50, 35 - 50 mm²	1	312
47918	Insl. cable end-sleeve DIN 46228 part 4, 35 mm²	25	140
48025	Insl. cable end-sleeve DIN 46228 part 4, 50 mm², 40 mm long	20	140
IS5072	Crimping dies IS 50, single crimping, 10 - 16 mm²	1	313
652C6	Insl. solderless terminal M6, 10 mm², fork-type	50	80
LBOXX136LFG	L-BOXX with front handle (W/D/H: 442 x 357 x 151 mm)	1	

L-BOXXes from plastic with tubular cable lugs

LBOXX3R8SET

Comprehensive equipment for conductor preparation for construction site and workshop

Characteristics

- Manufactured from shock and impact resistant ABS plastic, very robust, 100 kg capacity
- Stackable using an Easy-Click system, which allows easy opening and closing

Item	Dimension mm	Part No.
L-BOXX from plastic with tubular cable lugs 16 - 95 mm²	442 x 357 x 117	**LBOXX3R8SET**
L-BOXX from plastic with tubular cable lugs 50 - 185 mm²	442 x 357 x 117	**LBOXX6R10SET**

Scope of supply **LBOXX3R8SET**	Description	Quantity	Page
3R8	Tubular cable lug without inspection hole, 16 mm², M8, Cu tinned	50	14
4R8	Tubular cable lug without inspection hole, 25 mm², M8, Cu tinned	50	14
5R8	Tubular cable lug without inspection hole, 35 mm², M8, Cu tinned	50	14
6R10	Tubular cable lug without inspection hole, 50 mm², M10, Cu tinned	30	15
7R10	Tubular cable lug without inspection hole, 70 mm², M10, Cu tinned	20	15
8R10	Tubular cable lug without inspection hole, 95 mm², M10, Cu tinned	20	15

Scope of supply **LBOXX6R10SET**	Description	Quantity	Page
6R10	Tubular cable lug without inspection hole, 50 mm², M10, Cu tinned	30	15
7R10	Tubular cable lug without inspection hole, 70 mm², M10, Cu tinned	20	15
8R10	Tubular cable lug without inspection hole, 95 mm², M10, Cu tinned	20	15
9R12	Tubular cable lug without inspection hole, 120 mm², M12, Cu tinned	12	15
10R12	Tubular cable lug without inspection hole, 150 mm², M12, Cu tinned	12	15
11R12	Tubular cable lug without inspection hole, 185 mm², M12, Cu tinned	12	15

L-BOXX 50B from plastic with standard equipment for electrical installations

Comprehensive equipment for conductor preparation, comprising cable cutter, cable knife, crimping tool and connectors

Characteristics

- Manufactured from shock and impact resistant ABS plastic, very robust, 100 kg capacity
- Stackable using an Easy-Click system, which allows easy opening and closing

Item	Dimension mm	Part No.
L-BOXX from plastic with standard equipment for electrical installations	442 x 357 x 117	**LBOXX65B**

Scope of supply	Description	Quantity	Page
K05D	Crimping tool for compression cable lugs and connectors (DIN 46235 / DIN 46267, Part 1) 6 - 50 mm²	1	230
K100	Hand-operated cutting tool for Cu and Al cables to 14 mm dia.	1	348
KL740416	Cable knife, without blade 4 - 16 mm dia.	1	528
101R6	Compression cable lug, DIN 46235, 6 mm², M6, Cu tinned	25	56
101R8	Compression cable lug, 6 mm², M8, Cu tinned	25	56
102R6	Compression cable lug, DIN 46235, 10 mm², M6, Cu tinned	25	56
102R8	Compression cable lug, 10 mm², M8, Cu tinned	25	56
103R10	Compression cable lug, DIN 46235, 16 mm², M10, Cu tinned	25	56
104R8	Compression cable lug, DIN 46235, 25 mm², M8, Cu tinned	20	56
104R10	Compression cable lug, DIN 46235, 25 mm², M10, Cu tinned	20	56
105R8	Compression cable lug, DIN 46235, 35 mm², M8, Cu tinned	15	56
106R8	Compression cable lug, DIN 46235, 50 mm², M8, Cu tinned	10	56
106R10	Compression cable lug, DIN 46235, 50 mm², M10, Cu tinned	10	57
LBOXX102LFG	L-BOXX with front handle	1	

L-BOXX 65BCB from plastic with blue connection® - equipment

Extensive equipment based on the blue connection® product line, including crimping tool, cutting tool and cable knife

Characteristics

- Manufactured from shock and impact resistant ABS plastic, very robust, 100 kg capacity
- Stackable using an Easy-Click system, which allows easy opening and closing

Item	Dimension mm	Part No.
L-BOXX from plastic with blue connection® equipment	442 x 357 x 117	**LBOXX65BCB**

Scope of supply	Description	Quantity	Page
K05BC	Crimping tool for tubular cable lugs and connectors, blue connection® 6 - 50 mm²	1	229
K100	Hand-operated cutting tool for Cu and Al cables to 14 mm dia.	1	348
KL740416	Cable knife, without blade 4 - 16 mm dia.	1	528
6B6	Tubular cable lugs, blue connection®, 6 mm², M6, Cu	25	28
6B8	Tubular cable lugs, blue connection®, 6 mm², M8, Cu	25	28
10B6	Tubular cable lugs, blue connection®, 10 mm², M6, Cu	25	28
10B8	Tubular cable lugs, blue connection®, 10 mm², M8, Cu	25	28
16B10	Tubular cable lugs, blue connection®, 16 mm², M10, Cu	25	28
25B8	Tubular cable lugs, blue connection®, 25 mm², M8, Cu	20	28
25B10	Tubular cable lugs, blue connection®, 25 mm², M10, Cu	20	28
35B8	Tubular cable lugs, blue connection®, 35 mm², M8, Cu	20	28
35B10	Tubular cable lugs, blue connection®, 35 mm², M10, Cu	20	28
50B10	Tubular cable lugs, blue connection®, 50 mm², M10, Cu	20	28
LBOXX102LFG	L-BOXX with front handle	1	

L-BOXX 230 B from plastic with standard equipment for electrical installations

Item	Dimension mm	Part No.
L-BOXX from plastic with standard equipment for electrical installations	442 x 357 x 117	**LBOXX230B**

Scope of supply	Colour	Description	Quantity	Page
K432		Automatic wire stripper K43/2 0.02 - 10 mm²	1	525
K507		Crimping tool with replaceable dies	1	234
720		Insl. receptacle 6.3 x 0.8 mm, 0.5 - 1 mm²	50	159
730		Insl. receptacle 6.3 x 0.8 mm, 1.5 - 2.5 mm²	50	159
820		Insl. tab 6.3 x 0.8 mm, 0.5 - 1 mm²	50	162
830		Insl. tab 6.3 x 0.8 mm, 1.5 - 2.5 mm²	50	162
6204		Insl. solderless terminal M4, 0.5 - 1 mm²	50	154
6305		Insl. solderless terminal M5, 1.5 - 2.5 mm²	50	154
6506		Insl. solderless terminal M6, 4 - 6 mm²	50	154
670		Insl. butt connector, 0.5 - 1 mm²	50	163
680		Insl. butt connector, 1.5 - 2.5 mm²	50	163
700		Insl. butt connector, 4 - 6 mm²	25	163
1652C5		Solderless terminals fork type 10 mm², M5	50	78
1652C6		Solderless terminals fork type 10 mm², M6	50	78
16505		Solderless terminals DIN 46234, 4 - 6 mm², M5, Cu tinned	50	74
16506		Solderless terminals DIN 46234, 4 - 6 mm², M6, Cu tinned	50	74
4708		Insl. cable end-sleeve, 0.75 mm², 14 mm	400	139
4718		Insl. cable end-sleeve, 1 mm², 14 mm	400	139
4728		Insl. cable end-sleeve, 1.5 mm², 14 mm	400	139
4738		Insl. cable end-sleeve, 2.5 mm², 14 mm	200	139
47410		Insl. cable end-sleeve, 4 mm², 17 mm	100	139
47512		Insl. cable end-sleeve, 6 mm², 20 mm	100	139
47612		Insl. cable end-sleeve, 10 mm², 22 mm	100	139
LBOXX102LFG		L-BOXX with front handle	1	

L-BOXX Mini from plastic with crimping tool and insl. cable end-sleeves 0.5 - 16 mm²

NEW

Item	Part No.
L-BOXX from plastic with crimping tool and cable end-sleeves 0.5 - 16 mm²	**LBOXXMINIK3**

Scope of supply	Colour	Description	l2 mm	Quantity	Page
K3		Crimping tool for cable end-sleeves 0.5 - 16 mm²		1	209
K118		Hand-operated cutting tool for Cu and Al cables to 12 mm dia.		1	348
4728		Insl. cable end-sleeve, 1.5 mm², 14 mm	8	100	139
47312		Insl. cable end-sleeve, 2.5 mm², 18 mm	12	100	139
47412		Insl. cable end-sleeve, 4 mm², 20 mm	12	50	139
47512		Insl. cable end-sleeve, 6 mm², 20 mm	12	50	139
47612		Insl. cable end-sleeve, 10 mm², 22 mm	12	30	139
LBOXXMINIL		L-BOXX “Mini“		1	

L-BOXX Mini from plastic with crimping tool and insl. cable end-sleeves 1.5 - 10 mm²

Item				Part No.	
L-BOXX from plastic with crimping tool and insl. cable end-sleeves 1.5 - 10 mm²				**LBOXXMINIK306K**	
Scope of supply	Colour	Description	l2 mm	Quantity	Page
K306K		Crimping tool for cable end-sleeves and twin cable end-sleeves 0.08 - 16 mm²		1	215
K118		Hand-operated cutting tool for Cu and Al cables to 12 mm dia.		1	348
4728	■	Insl. cable end-sleeve, 1.5 mm², 14 mm	8	100	139
47312	■	Insl. cable end-sleeve, 2.5 mm², 18 mm	12	100	139
47412	■	Insl. cable end-sleeve, 4 mm², 20 mm	12	50	139
47512	■	Insl. cable end-sleeve, 6 mm², 20 mm	12	50	139
47612	■	Insl. cable end-sleeve, 10 mm², 22 mm	12	30	139
LBOXXMINIL		L-BOXX “Mini“		1	

L-BOXX Mini from plastic with crimping tool and insl. cable end-sleeves 1.5 - 10 mm²

Item				Part No.	
L-BOXX from plastic with crimping tool and insl. cable end-sleeves 1.5 - 10 mm²				**LBOXXMINIK304K**	
Scope of supply	Colour	Description	l2 mm	Quantity	Page
K304K		K 30/4 K crimping tool for cable end-sleeves 0.08 to 16 mm² and twin cable end-sleeves 2 x 0,5 - 2 x 6 mm²		1	214
K118		Hand-operated cutting tool for Cu and Al cables to 12 mm dia.		1	348
4728	■	Insl. cable end-sleeve, 1.5 mm², 14 mm	8	100	139
47312	■	Insl. cable end-sleeve, 2.5 mm², 18 mm	12	100	139
47412	■	Insl. cable end-sleeve, 4 mm², 20 mm	12	50	139
47512	■	Insl. cable end-sleeve, 6 mm², 20 mm	12	50	139
47612	■	Insl. cable end-sleeve, 10 mm², 22 mm	12	30	139
LBOXXMINIL		L-BOXX “Mini“		1	

L-BOXX Mini from plastic with crimping tool and insl. cable end-sleeves 1.5 - 10 mm²

Item				Part No.	
L-BOXX from plastic with crimping tool and insl. cable end-sleeves 1.5 - 10 mm²				**LBOXXMINIK3014K**	
Scope of supply	Colour	Description	l2 mm	Quantity	Page
K3014K		Crimping tool for cable end-sleeves and twin cable end-sleeves 0.14 - 10 mm²		1	215
K118		Hand-operated cutting tool for Cu and Al cables to 12 mm dia.		1	348
4728	■	Insl. cable end-sleeve, 1.5 mm², 14 mm	8	100	139
47312	■	Insl. cable end-sleeve, 2.5 mm², 18 mm	12	100	139
47412	■	Insl. cable end-sleeve, 4 mm², 20 mm	12	50	139
47512	■	Insl. cable end-sleeve, 6 mm², 20 mm	12	50	139
47612	■	Insl. cable end-sleeve, 10 mm², 22 mm	12	30	139
LBOXXMINIL		L-BOXX “Mini“		1	

L-BOXXes with the new battery powered tools of the NEXT GENERATION

NEXT GENERATION

NEW

This is just a small extract of our range. If you need a different combination, contact us.

Bosch battery

Tool	Crimping	Cutting	Punching	Part No.
EK 35/4	6 - 150 mm²			**LBOXXEK354CFB**
EK 50/5	6 - 240 mm²			**LBOXXEK505CFB**
EK 50/18	6 - 240 mm²			**LBOXXEK5018CFB**
EKM 60/22	6 - 300 mm²			**LBOXXEKM6022CFB**
EKM 60 ID	10 - 240 mm²			**LBOXXEKM60IDCFB**
ES 20		max. 20 mm dia.		**LBOXXES20CFB**
ES 32 F		max. 32 mm dia.		**LBOXXES32FCFB**
ES 32		max. 32 mm dia.		**LBOXXES32CFB**
EKM 60 UNV	6 - 300 mm²	max. 25 mm dia.	round/shape	**LBOXXEKM60UNVCFB**
LS 50 FLEX			round/shape	**LBOXXLS50FLEXCFB**

Makita battery

Tool	Crimping	Cutting	Punching	Part No.
EK 35/4	6 - 150 mm²			**LBOXXEK354CFM**
EK 50/5	6 - 240 mm²			**LBOXXEK505CFM**
EK 50/18	6 - 240 mm²			**LBOXXEK5018CFM**
EKM 60/22	6 - 300 mm²			**LBOXXEKM6022CFM**
EKM 60 ID	10 - 240 mm²			**LBOXXEKM60IDCFM**
ES 20		max. 20 mm Ø		**LBOXXES20CFM**
ES 32 F		max. 32 mm dia.		**LBOXXES32FCFM**
ES 32		max. 32 mm dia.		**LBOXXES32CFM**
EKM 60 UNV	6 - 300 mm²	max. 25 mm dia.	round/shape	**LBOXXEKM60UNVCFM**
LS 50 FLEX			round/shape	**LBOXXLS50FLEXCFM**

Crimping & cutting

(shown is the scope of supply with Bosch battery)

Part No.	Scope of supply	LBOXX- EK354	EK505	EK5018	EKM6022	EKM60ID	ES20	ES32	ES32F	EKM60UNV
RALB1EU	Bosch battery 18 V / 2.0 Ah, Li-Ion	●	●	●	●	●	●	●	●	●
LGLB1EU	Bosch charger for 18 V Li-Ion batteries	●	●	●	●	●	●	●	●	●
UA22	Adapter for crimping dies									●
LBOXX136LFG	L-BOXX (W/D/H: 442 x 357 x 151 mm)	●	●	●	●	●	●	●	●	●

Punching

(shown is the scope of supply with Bosch battery)

	LBOXXLS50FLEX							
Part No.	RALB2EU	LGLB1EU	52085691	50032488	52049371	51300430	50339672	LBOXX136GL
Scope of supply	Bosch battery 18 V / 5.0 Ah, Li-Ion	Bosch charger for 18 V Li-Ion batteries	Draw stud for hydraulic operation 19 x 105 mm	Spacer, short	Kwik Stepper™ step bit with ROTASTOP® shaft 6-21 mm	Draw stud for punch with hydraulic operation 9.5 x 71 mm	Adapter 19 x 48 mm with internal thread 9.5 mm	L-BOXX (W/D/H: 442 x 357 x 151 mm)