



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 mm² 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

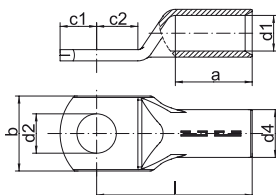
▶ Clear markings

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



- ▶ 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 mm ²	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

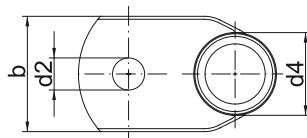
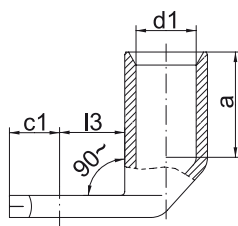
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Compression cable lugs to DIN, Cu

Nominal cross section mm ²	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
50	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
	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
70	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
	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
95	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
	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
120	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
	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
150	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
	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
185	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
	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
240	M 12	112R12		28	40	42.0	21.5	13.0	29.0	13.5	18.0	93	27.00	10
	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
300	M 12	113R12	*	32	50	46.0	24.5	13.0	32.0	14.0	22.0	101	32.89	5
	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
400	M 14	114R14	*	38	70	54.0	27.5	15.0	38.5	22.5	23.0	116	69.38	5
	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 mm ²	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

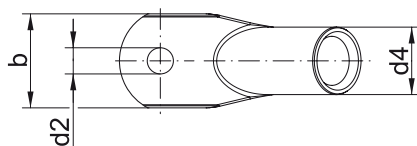
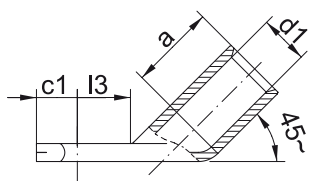
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Angled compression cable lugs, Cu, 90° angled

Nominal cross section mm ²	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 mm ²	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
	M 6	163R645	8	20,5	13,0	5,5	6,4	8,5	8,0	11	1,20	50
16	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
	M 6	164R645	10	20,5	14,0	7,0	6,4	10,0	8,0	11	1,49	25
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
	M 8	165R845	12	20,5	17,0	8,2	8,4	12,5	10,5	13	2,72	25
35	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
	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
50	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

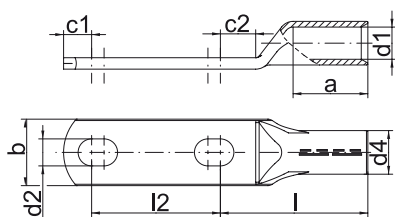
see next page

Angled compression cable lugs, Cu, 45° angled

Nominal cross section mm ²	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 mm ²	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

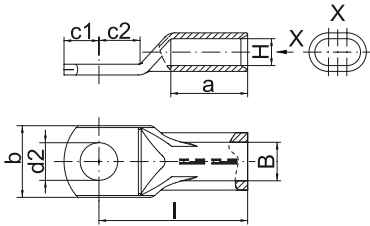
- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

- Tool: see page 70



Nominal cross section mm ²	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

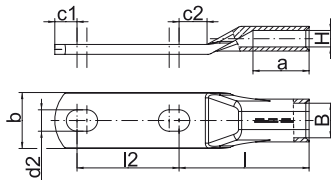
- Copper (EN13600)

Surface

- Tin-plated to protect against corrosion

Technical instructions

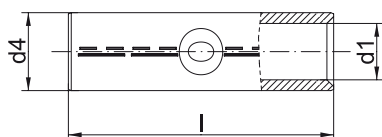
- Tool: see page 70



Nominal cross section mm ²	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

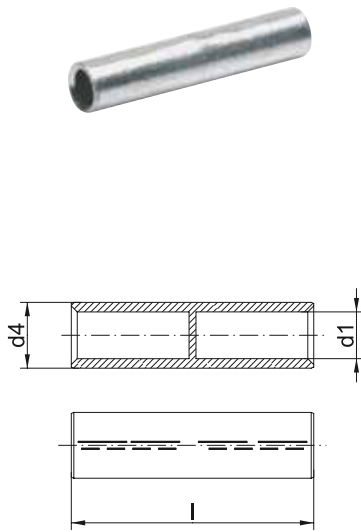
- Tool: see page 69
- Reduction sleeves for connecting unequal cross-sections can be found on page 68

Additional information

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

Nominal cross section mm ²	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

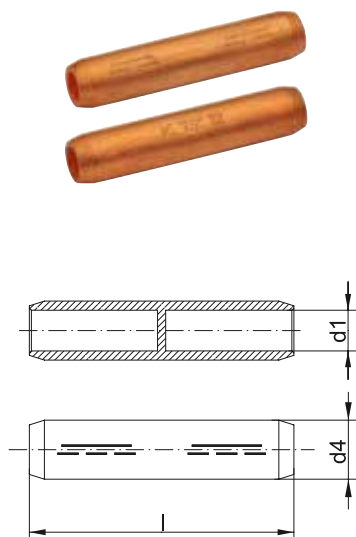
- Tool: see page 69
- Reduction sleeves for connecting unequal cross-sections can be found on page 68

Additional information

- Part Number appendix for bright version „BK“

Nominal cross section mm ²	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 mm ²	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

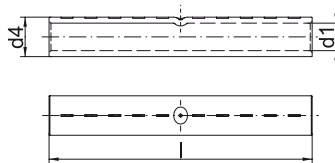
- Bright

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 mm ²	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

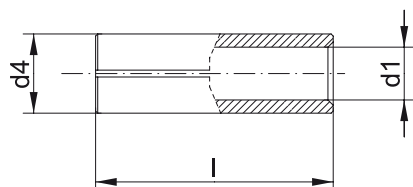
- Copper (EN13600)

Surface

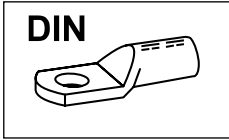
- Bright

Technical instructions

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



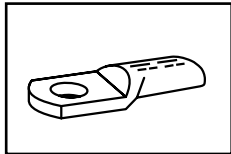
Part No.	Nominal cross section mm ² from	Nominal cross section mm ² to	Dimension mm			Weight/100 pcs. ~ kg	Packing unit/pcs
			d1	d4	l		
RH2510	25	10	4.6	6.6	25	0.358	25
RH2516	25	16	5.5	6.6	25	0.350	25
RH3510	35	10	4.5	8.0	25	0.707	25
RH3516	35	16	5.5	8.0	25	0.570	25
RH3525	35	25	7.0	8.0	25	0.253	25
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



Tool application chart

Compression cable lugs and compression joints

Tool type	Crimping range corresponds to nominal cross-section mm ²	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 mm ²	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	○
Battery powered crimping tools	2x50 - 2x70	HK120U		290	334	○
		EK6022		264	329	○
		EKM6022		262	329	○
		EK60UNV	+UA22	468	329	○
	2x50 - 2x120	EKM60UNV	+UA22	467	329	○
		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	○

