



CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS
FEEDER PILLARS, FUSE LINKS, ARC FLASH, CABLE ROLLERS, CUT-OUTS

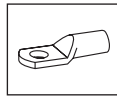
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■ Tubular cable lugs, copper 0.75 - 6 mm² Ring type

■ for fine stranded conductors

Characteristics

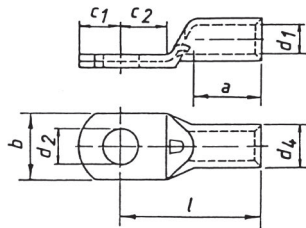
- With inspection hole
- Annealed material optimises material and crimping characteristics

Material

- Copper to EN 13600

Surface

- Tin plated



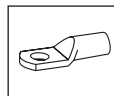
Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l		
0.75	M3	91R3	1.3	6	6.0	3.2	2.8	3.25	4.0	12	0.060	100
	M4	91R4	1.3	6	6.5	4.3	2.8	4.00	5.0	13	0.060	100
	M5	91R5	1.3	6	7.5	5.3	2.8	4.75	5.5	14	0.060	100
1.5	M3	92R3	1.8	6	6.5	3.2	3.3	3.25	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	6.5	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	8.5	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	18	0.210	100
	M5	94R5	3.0	8	9.0	5.3	5.0	4.75	6.0	18	0.213	100
	M6	94R6	3.0	8	10.0	6.5	5.0	6.50	6.5	19	0.220	100
	M8	94R8	3.0	8	13.0	8.5	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	6.5	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

► Tool: see chart page 44

■ Tubular cable lugs, copper 0.75 - 16 mm²

Fork type

- For direct screw-mounting
- for fine stranded conductors



Characteristics

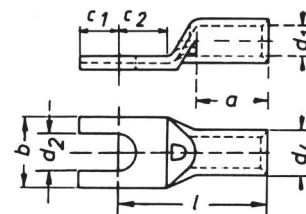
- With inspection hole
- Annealed material optimises material and crimping characteristics

Material

- Copper to EN 13600

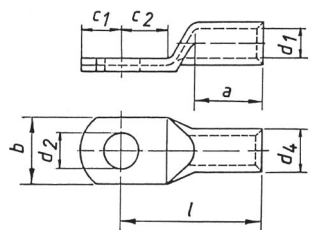
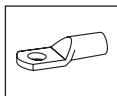
Surface

- Tin plated



Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm								Weight/ 100 pcs.	
			d1	a	b	d2	d4	c1	c2	l	~ kg	pcs.
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	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	6.5	3.3	6.50	6.5	16	0.08	100
2.5	M3	93C3	2.3	6	7.5	3.2	4.2	3.25	4.0	12	0.12	100
	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	6.5	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	6.5	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	6.5	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	5.5	7.0	6.50	7.5	22	0.45	100
	M6	96C6	4.5	10	12.0	6.5	7.0	6.50	7.5	22	0.41	100
	M8	96C8	4.5	10	15.0	8.5	7.0	10.00	10.0	25	0.52	100
16	M5	97C5	5.5	13	12.0	5.5	8.5	5.50	6.5	26	0.81	100
	M6	97C6	5.5	13	12.0	6.5	8.5	6.25	7.5	27	0.81	100
	M8	97C8	5.5	13	15.0	8.5	8.5	8.50	9.5	29	0.90	100

► Tool: see chart page 44



Tubular cable lugs, copper 6 - 400 mm² standard type

- For stranded round shaped conductors e.g. VDE 0295 Class 2
- For pre-rounded sector shaped conductors

Characteristics

- Annealed material optimises material and crimping characteristics

Material

- Copper to EN 13600

Surface

- Tin plated

Order info

- Also available with inspection hole, part number with „ms“

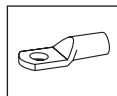
Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l		
6	M5	1R5	3.5	9	10	5.5	6.5	6.50	7.5	21	0.50	100
	M6	1R6	3.5	9	12	6.5	6.5	6.50	7.5	21	0.47	100
	M8	1R8	3.5	9	15	8.5	6.5	10.00	10.0	23	0.54	100
	M10	1R10	3.5	9	17	10.5	6.5	12.00	12.0	25	0.59	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	5.5	7.0	6.50	7.5	22	0.50	100
	M6	2R6	4.5	10	12	6.5	7.0	6.50	7.5	22	0.49	100
	M8	2R8	4.5	10	15	8.5	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	6.5	8.5	6.25	7.5	27	0.86	100
	M8	3R8	5.5	13	15	8.5	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	5.5	10.0	7.50	7.5	30	1.22	25
	M6	4R6	7.0	15	14	6.5	10.0	7.50	7.5	30	1.20	100
	M8	4R8	7.0	15	16	8.5	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	6.5	12.0	7.50	7.5	32	1.85	100
	M8	5R8	8.5	17	17	8.5	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
50	M6	6R6	10.0	19	20	6.5	14.0	10.00	10.0	37	3.00	25
	M8	6R8	10.0	19	20	8.5	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

■ Tubular cable lugs, copper 6 - 400 mm²

standard type

Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l		
70	M6	7R6	12.0	21	23	6.5	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	8.5	18.0	12.0	12.0	48	5.44	25
	M10	8R10	13.5	25	26	10.5	18.0	12.0	12.0	48	5.40	50
	M12	8R12	13.5	25	26	13.0	18.0	13.0	13.0	49	5.56	50
	M14	8R14	13.5	25	26	15.0	18.0	14.5	14.5	51	5.62	25
	M16	8R16	13.5	25	28	17.0	18.0	16.0	16.0	54	5.82	50
	M20	8R20	13.5	25	36	21.0	18.0	22.0	22.0	60	6.71	25
120	M8	9R8	15.0	26	28	8.5	19.5	14.0	14.0	51	6.72	25
	M10	9R10	15.0	26	28	10.5	19.5	14.0	14.0	51	6.57	50
	M12	9R12	15.0	26	28	13.0	19.5	14.0	14.0	51	6.38	50
	M14	9R14	15.0	26	28	15.0	19.5	15.0	15.0	52	6.45	25
	M16	9R16	15.0	26	30	17.0	19.5	16.0	16.0	54	6.51	50
	M20	9R20	15.0	26	36	21.0	19.5	22.0	22.0	63	7.74	25
150	M8	10R8	16.5	30	31	8.5	21.0	14.0	14.0	56	7.78	10
	M10	10R10	16.5	30	31	10.5	21.0	14.0	14.0	56	7.62	10
	M12	10R12	16.5	30	31	13.0	21.0	15.0	15.0	57	7.73	25
	M14	10R14	16.5	30	31	15.0	21.0	15.0	15.0	57	7.64	10
	M16	10R16	16.5	30	31	17.0	21.0	16.0	16.0	58	7.53	10
	M20	10R20	16.5	30	36	21.0	21.0	22.0	22.0	66	8.80	10
185	M10	11R10	19.0	30	35	10.5	24.0	18.0	18.0	65	11.75	10
	M12	11R12	19.0	30	35	13.0	24.0	18.0	18.0	65	11.82	10
	M14	11R14	19.0	30	35	15.0	24.0	18.0	18.0	65	11.39	10
	M16	11R16	19.0	30	35	17.0	24.0	18.0	18.0	65	11.24	25
	M20	11R20	19.0	30	39	21.0	24.0	22.0	22.0	69	12.00	10
240	M10	12R10	21.0	35	39	10.5	26.0	21.5	19.0	72	14.72	10
	M12	12R12	21.0	35	39	13.0	26.0	21.5	19.0	72	14.55	10
	M14	12R14	21.0	35	39	15.0	26.0	21.5	19.0	72	14.24	10
	M16	12R16	21.0	35	39	17.0	26.0	21.5	19.0	72	14.09	25
	M20	12R20	21.0	35	39	21.0	26.0	21.5	19.0	72	13.60	10
300	M12	13R12	23.5	44	43	13.0	29.5	24.0	24.0	87	23.33	5
	M14	13R14	23.5	44	43	15.0	29.5	24.0	24.0	87	23.14	5
	M16	13R16	23.5	44	43	17.0	29.5	24.0	24.0	87	22.74	5
	M20	13R20	23.5	44	43	21.0	29.5	24.0	24.0	87	22.19	5
400	M12	14R12	27.0	44	49	13.0	34.0	24.0	24.0	90	32.41	5
	M14	14R14	27.0	44	49	15.0	34.0	24.0	24.0	90	32.24	5
	M16	14R16	27.0	44	49	17.0	34.0	24.0	24.0	90	31.98	5
	M20	14R20	27.0	44	49	21.0	34.0	24.0	24.0	90	31.41	5

► Tool: see chart page 44



■ Angle tubular cable lugs, copper, 6 - 400 mm² 90° angle standard type

- For stranded round shaped conductors e.g. VDE 0295 Class 2
- For pre-rounded sector shaped conductors

Characteristics

- Annealed material optimises material and crimping characteristics
- Flat contact surface by special manufacturing processes

Material

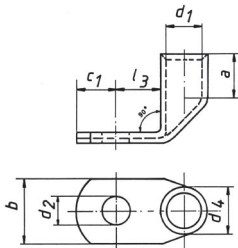
- Copper to EN 13600

Surface

- Tin plated

Order info

- Also available with inspection hole, part number with „ms“

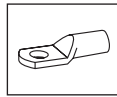


Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3		
6	M5	41R5	3.5	9	10	5.5	6.5	7.5	9	0.59	50
	M6	41R6	3.5	9	12	6.5	6.5	7.5	10	0.58	50
	M8	41R8	3.5	9	14	8.5	6.5	10.0	13	0.61	50
	M10	41R10	3.5	9	17	10.5	6.5	12.0	15	0.65	50
	M12	41R12	3.5	9	19	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	6.5	7.0	6.5	10	0.57	50
	M8	42R8	4.5	10	15	8.5	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	6.5	8.5	7.5	11	1.01	50
	M8	43R8	5.5	13	15	8.5	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	6.5	10.0	7.5	11	1.32	25
	M8	44R8	7.0	15	16	8.5	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	6.5	12.0	7.5	11	2.05	25
	M8	45R8	8.5	17	17	8.5	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
50	M6	46R6	10.0	19	20	6.5	14.0	10.0	13	3.34	25
	M8	46R8	10.0	19	20	8.5	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

■ **Angle tubular cable lugs, copper, 6 - 400 mm²**
90° angle
standard type

Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3		
70	M6	47R6	12.0	21	23	6.5	16.5	10.0	13	4.90	25
	M8	47R8	12.0	21	23	8.5	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	8.5	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	8.5	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	8.5	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	21.5	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

► Tool: see chart page 44



■ Angle tubular cable lugs, copper, 6 - 400 mm² 45° angle standard type

- For stranded round shaped conductors e.g. VDE 0295 Class 2
- For pre-rounded sector shaped conductors

Characteristics

- Annealed material optimises material and crimping characteristics
- Flat contact surface by special manufacturing processes

Material

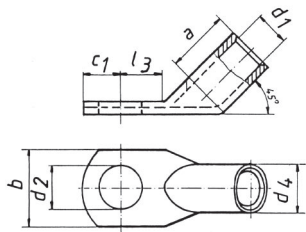
- Copper to EN 13600

Surface

- Tin plated

Order info

- Also available with inspection hole, part number with „ms“

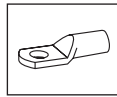


Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3		
6	M5	41R545	3.5	9	10	5.5	6.5	7.5	9	0.60	50
	M6	41R645	3.5	9	12	6.5	6.5	7.5	10	0.58	50
	M8	41R845	3.5	9	14	8.5	6.5	10.0	13	0.68	50
	M10	41R1045	3.5	9	17	10.5	6.5	12.0	15	0.70	50
	M12	41R1245	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	6.5	7.0	6.5	10	0.57	50
	M8	42R845	4.5	10	15	8.5	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	6.5	8.5	7.5	11	1.06	50
	M8	43R845	5.5	13	15	8.5	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	6.5	10.0	7.5	11	1.32	25
	M8	44R845	7.0	15	16	8.5	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	6.5	12.0	7.5	11	2.05	25
	M8	45R845	8.5	17	17	8.5	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
	M14	45R1445	8.5	17	21	15.0	12.0	14.5	20	2.41	25
	M16	45R1645	8.5	17	26	17.0	12.0	16.0	22	2.40	25
50	M6	46R645	10.0	19	20	6.5	14.0	10.0	13	3.43	25
	M8	46R845	10.0	19	20	8.5	14.0	10.0	13	3.28	25
	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
	M14	46R1445	10.0	19	23	15.0	14.0	14.5	20	3.65	25
	M16	46R1645	10.0	19	28	17.0	14.0	16.0	22	3.76	25
	M20	46R2045	10.0	19	30	21.0	14.0	19.0	24	3.30	25

■ **Angle tubular cable lugs, copper, 6 - 400 mm²**
45° angle
standard type

Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3		
70	M6	47R645	12.0	21	23	6.5	16.5	10.0	13	5.06	25
	M8	47R845	12.0	21	23	8.5	16.5	10.0	14	5.06	25
	M10	47R1045	12.0	21	23	10.5	16.5	12.0	16	5.25	25
	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
95	M8	48R845	13.5	25	26	8.5	18.0	12.0	14	6.19	25
	M10	48R1045	13.5	25	26	10.5	18.0	12.0	17	5.70	25
	M12	48R1245	13.5	25	26	13.0	18.0	13.0	18	6.67	25
	M14	48R1445	13.5	25	26	15.0	18.0	14.5	20	6.60	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
120	M8	49R845	15.0	26	28	8.5	19.5	14.0	16	7.92	10
	M10	49R1045	15.0	26	28	10.5	19.5	14.0	17	7.99	10
	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
	M20	49R2045	15.0	26	36	21.0	19.5	22.0	24	8.20	10
150	M8	50R845	16.5	30	31	8.5	21.0	14.0	16	9.00	10
	M10	50R1045	16.5	30	31	10.5	21.0	14.0	17	9.15	10
	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
	M20	50R2045	16.5	30	36	21.0	21.0	22.0	24	9.26	10
185	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
	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
240	M10	52R1045	21.0	35	39	10.5	26.0	21.5	22	16.28	10
	M12	52R1245	21.0	35	39	13.0	26.0	21.5	22	16.80	10
	M14	52R1445	21.0	35	39	15.0	26.0	21.5	22	16.40	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
300	M12	53R1245	23.5	44	43	13.0	29.5	24.0	24	24.08	5
	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
	M20	53R2045	23.5	44	43	21.0	29.5	24.0	24	23.50	5
400	M12	54R1245	27.0	44	49	13.0	34.0	24.0	24	34.00	5
	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
	M20	54R2045	27.0	44	49	21.0	34.0	24.0	24	31.80	5

► Tool: see chart page 44



■ Butt-connector, copper 0.75 - 400 mm² standard type

- With buttmarks for precise cable insertion
- For stranded conductors e.g. VDE 0295 Class 2

Characteristics

- Annealed material optimises material and crimping characteristics

Material

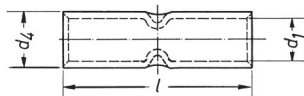
- Copper to EN 13600

Surface

- Tin plated

Order info

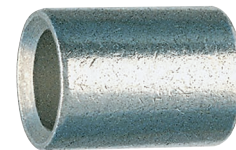
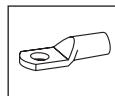
- Also available without wirestop, part number with „om“



Cross-section mm ²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	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

► Tool: see chart page 44

■ **Parallel connector, copper 1.5 - 300 mm²**
standard type



- For connecting different cable cross-sections

Characteristics

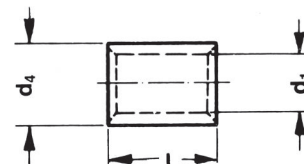
- Annealed material optimises material and crimping characteristics

Material

- Copper to EN 13600

Surface

- Tin plated

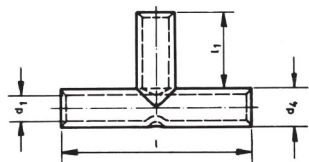
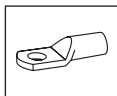


Total cross-section mm²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l		
1.5	148R	1.8	3.3	5	0.03	100
2.5	149R	2.3	4.2	5	0.04	100
4	150R	3.0	5.0	7	0.08	100
6	151R	4.0	6.0	7	0.09	100
10	152R	4.5	7.0	9	0.17	100
16	153R	5.5	8.5	10	0.28	100
25	154R	7.0	10.0	13	0.44	100
35	155R	8.5	12.0	16	0.78	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

► Tool: see chart page 44

Electrical connection system

Copper tubular cable lugs and connectors



■ T-connectors, copper 1.5 - 240 mm² standard type

- For single cable tap conductors
- For stranded conductors e.g. VDE 0295 Class 2

Characteristics

- Annealed material optimises material and crimping characteristics

Material

- Copper to EN 13600

Surface

- Tin plated

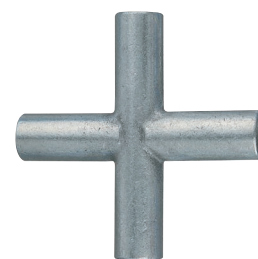
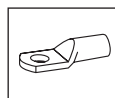
Cross-section mm ²	Part No.	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l	l1		
1.5	TV15	1.8	3.3	30	12	0.23	50
2.5	TV2.5	2.3	4.2	30	12	0.37	50
4	TV4	3.0	5.0	30	12	0.45	50
6	TV6	4.0	6.0	35	14	0.73	50
10	TV10	4.5	7.0	35	14	1.05	50
16	TV16	5.5	8.5	50	21	2.20	50
25	TV25	7.0	10.0	55	23	2.90	25
35	TV35	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

► Tool: see chart page 44

■ Cross-connector, copper 1.5 - 240 mm²

standard type

- For double cable tap conductors
- For stranded conductors e.g. VDE 0295 Class 2



Characteristics

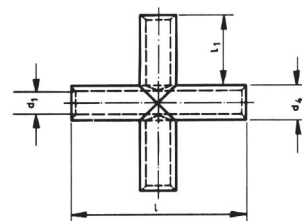
- Annealed material optimises material and crimping characteristics

Material

- Copper to EN 13600

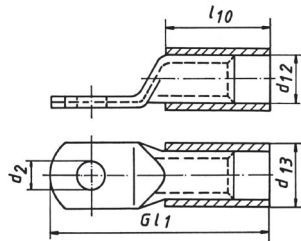
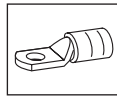
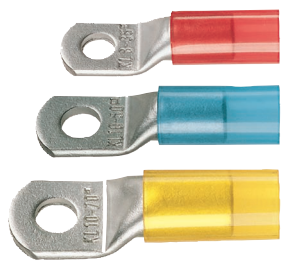
Surface

- Tin plated



Cross-section mm ²	Part No.	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
		d1	d4	l	l1		
1.5	KV15	1.8	3.3	30	12	0.320	25
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
25	KV25	7.0	10.0	55	23	4.000	15
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
150	KV150	16.5	21.0	110	44	24.100	5
185	KV185	19.0	24.0	115	45	32.100	5
240	KV240	21.0	26.0	130	52	41.100	5

► Tool: see chart page 44



■ Insulated tubular cable lugs, Cu 10 - 150 mm² standard type

- Crimping operation direct on the insulation
- For stranded conductors e.g. VDE 0295 Class 2

Characteristics

- Annealed material optimises material and crimping characteristics

Material

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

Surface

- Tin plated

Order info

- Also available with inspection hole, part number with „ms“
- Dimensions of tubular cable lugs can be found from page 22

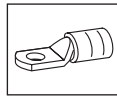
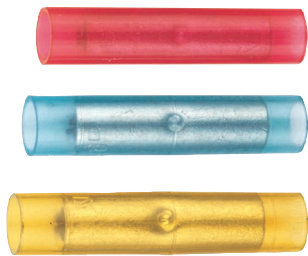
Cross-section mm ²	Size of bolt Ø	Part No.	Colour	Dimensions mm					Weight		pcs.
				d2	d12	d13	G l1	l10	100 pcs. ~ kg Cu Total		
10	M5	602R5	■	5.5	7.0	9.0	35.5	17.0	0.50	0.548	25
	M6	602R6	■	6.5	7.0	9.0	35.5	17.0	0.49	0.538	25
	M8	602R8	■	8.5	7.0	9.0	42.0	17.0	0.58	0.628	25
	M10	602R10	■	10.5	7.0	9.0	46.0	17.0	0.62	0.668	25
	M12	602R12	■	13.0	7.0	9.0	49.0	17.0	0.64	0.688	25
16	M5	603R5	■	5.5	8.5	10.5	39.5	21.0	0.84	0.907	25
	M6	603R6	■	6.5	8.5	10.5	41.3	21.0	0.86	0.927	25
	M8	603R8	■	8.5	8.5	10.5	45.5	21.0	0.93	0.997	25
	M10	603R10	■	10.5	8.5	10.5	49.5	21.0	0.99	1.057	25
	M12	603R12	■	13.0	8.5	10.5	54.0	21.0	1.02	1.087	25
25	M5	604R5	■	5.5	10.0	12.0	45.0	24.0	1.22	1.312	25
	M6	604R6	■	6.5	10.0	12.0	46.5	24.0	1.20	1.292	25
	M8	604R8	■	8.5	10.0	12.0	51.0	24.0	1.31	1.402	25
	M10	604R10	■	10.5	10.0	12.0	55.0	24.0	1.57	1.662	25
	M12	604R12	■	13.0	10.0	12.0	57.0	24.0	1.39	1.482	25
	M14	604R14	■	15.0	10.0	12.0	61.5	24.0	1.49	1.582	25
35	M6	605R6	■	6.5	12.0	14.5	49.5	27.0	1.85	2.010	25
	M8	605R8	■	8.5	12.0	14.5	54.0	27.0	2.00	2.160	25
	M10	605R10	■	10.5	12.0	14.5	59.0	27.0	2.13	2.290	25
	M12	605R12	■	13.0	12.0	14.5	61.0	27.0	2.12	2.280	25
	M14	605R14	■	15.0	12.0	14.5	64.5	27.0	2.18	2.340	25
	M16	605R16	■	17.0	12.0	14.5	68.0	27.0	2.24	2.400	25
50	M6	606R6	■	6.5	14.0	16.5	59.0	32.0	3.00	3.220	25
	M8	606R8	■	8.5	14.0	16.5	59.0	32.0	2.93	3.150	25
	M10	606R10	■	10.5	14.0	16.5	63.0	32.0	3.08	3.300	25
	M12	606R12	■	13.0	14.0	16.5	68.0	32.0	3.23	3.450	25
	M14	606R14	■	15.0	14.0	16.5	71.5	32.0	3.32	3.540	25
	M16	606R16	■	17.0	14.0	16.5	77.0	32.0	3.38	3.600	25
	M20	606R20	■	21.0	14.0	16.5	83.5	32.0	3.46	3.680	25

■ Insulated tubular cable lugs, Cu 10 - 150 mm²

standard type

Cross-section mm²	Size of bolt Ø	Part No.	Colour	Dimensions mm					Weight		pcs.
				d2	d12	d13	Gl1	l10	100 pcs. ~ Cu	Total	
70	M6	607R6	■	6.5	16.4	18.9	65.5	33.5	4.49	4.760	25
	M8	607R8	■	8.5	16.4	18.9	65.5	33.5	4.38	4.650	25
	M10	607R10	■	10.5	16.4	18.9	66.5	33.5	4.54	4.810	25
	M12	607R12	■	13.0	16.4	18.9	70.5	33.5	4.63	4.900	25
	M14	607R14	■	15.0	16.4	18.9	73.5	33.5	4.76	5.030	25
	M16	607R16	■	17.0	16.4	18.9	78.5	33.5	4.24	4.510	25
	M20	607R20	■	21.0	16.4	18.9	84.5	33.5	5.09	5.360	25
95	M8	608R8	■	8.5	17.8	20.8	74.0	40.0	5.44	5.85	25
	M10	608R10	■	10.5	17.8	20.8	74.0	40.0	5.40	5.81	25
	M12	608R12	■	13.0	17.8	20.8	76.0	40.0	5.56	5.97	25
	M14	608R14	■	15.0	17.8	20.8	79.5	40.0	5.62	6.03	25
	M16	608R16	■	17.0	17.8	20.8	84.0	40.0	5.82	6.23	25
	M20	608R20	■	21.0	17.8	20.8	96.0	40.0	6.71	7.12	25
120	M8	609R8	■	8.5	19.3	22.3	80.5	41.5	6.72	7.18	10
	M10	609R10	■	10.5	19.3	22.3	80.5	41.5	6.57	7.03	10
	M12	609R12	■	13.0	19.3	22.3	80.5	41.5	6.38	6.84	10
	M14	609R14	■	15.0	19.3	22.3	82.5	41.5	6.45	6.91	10
	M16	609R16	■	17.0	19.3	22.3	85.5	41.5	6.51	6.97	10
	M20	609R20	■	21.0	19.3	22.3	100.5	41.5	7.74	8.20	10
150	M8	610R8	■	8.5	20.8	23.8	88.0	48.0	7.78	8.36	10
	M10	610R10	■	10.5	20.8	23.8	88.0	48.0	7.62	8.20	10
	M12	610R12	■	13.0	20.8	23.8	89.0	48.0	7.73	8.31	10
	M14	610R14	■	15.0	20.8	23.8	90.0	48.0	7.64	8.22	10
	M16	610R16	■	17.0	20.8	23.8	92.0	48.0	7.53	8.11	10
	M20	610R20	■	21.0	20.8	23.8	106.0	48.0	8.80	9.38	10

► Tool: see chart page 46



■ Insulated butt-connector, Cu 10 - 150 mm² Standard type

- Crimping operation direct on the insulation
- With buttmarks for precise cable insertion
- For stranded conductors e.g. VDE 0295 Class 2

Characteristics

- Annealed material optimises material and crimping characteristics

Material

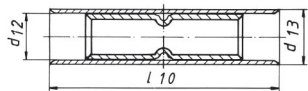
- Connector: Copper to EN 13600
- Insulation sleeve: PA, free of halide

Surface

- Tin plated

Order info

- Dimensions of butt-connectors can be found on page 28

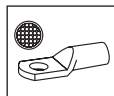


Cross-section mm ²	Part No.	Colour	Dimensions mm			Weight		pcs.
			d12	d13	l10	100 pcs. ~ kg	Total	
10	622R	Red	7.0	9.0	42	0.72	0.84	25
16	623R	Blue	8.5	10.5	50	1.00	1.16	25
25	624R	Yellow	10.0	12.0	57	1.41	1.63	25
35	625R	Red	12.0	14.4	65	2.24	2.60	25
50	626R	Blue	14.0	16.4	72	3.36	3.81	25
70	627R	Yellow	16.4	19.0	80	4.87	5.46	25
95	628R	Red	17.8	20.8	87	5.91	6.74	25
120	629R	Blue	19.3	22.3	94	7.00	7.96	10
150	630R	Yellow	20.8	23.8	103	8.12	9.32	10

► Tool: see chart page 46

■ Tubular cable lugs, copper 10 - 300 mm²

For fine strand conductors, DIN VDE 60228
(e.g. VDE 0295 Class 5 and 6)



■ Flared cable entry to ease insertion

Characteristics

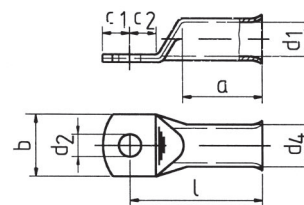
- Annealed material optimises material and crimping characteristics
- Tube dimensions suitable for fine strand conductors

Material

- Copper to EN 13600

Surface

- Tin plated



Order info

- Also available with inspection hole, part number with „ms“

Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l		
10	M5	702F5	5.5	14	12	5.3	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	8.5	8.0	8.50	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	5.3	9.5	6.25	7.5	30	1.10	100
	M6	703F6	6.6	15	13	6.5	9.5	6.25	7.5	30	1.07	100
	M8	703F8	6.6	15	16	8.5	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	5.3	11.0	7.50	7.5	32	1.52	25
	M6	704F6	7.9	17	15	6.5	11.0	7.50	7.5	32	1.50	100
	M8	704F8	7.9	17	17	8.5	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	6.5	12.5	7.50	7.5	35	1.91	100
	M8	705F8	9.2	19	18	8.5	12.5	10.00	10.0	37	2.08	100
	M10	705F10	9.2	19	18	10.5	12.5	12.00	12.0	40	2.24	100
	M12	705F12	9.2	19	19	13.0	12.5	13.00	13.0	41	2.22	25
	M14	705F14	9.2	19	21	15.0	12.5	14.50	14.5	43	2.41	25
50	M6	706F6	11.0	21	21	6.5	15.0	10.00	10.0	41	3.54	25
	M8	706F8	11.0	21	21	8.5	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
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	52	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

■ Tubular cable lugs, copper 10 - 300 mm²

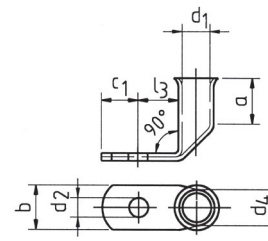
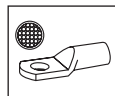
For fine strand conductors, DIN VDE 60228
(e.g. VDE 0295 Class 5 and 6)

Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm								Weight/ 100 pcs.	pcs.
			d1	a	b	d2	d4	c1	c2	l	~ kg	
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	M12	711F12	20.6	35	39	13	26	21.5	19	72	15.40	10
	M14	711F14	20.6	35	39	15	26	21.5	19	72	15.20	10
	M16	711F16	20.6	35	39	17	26	21.5	19	72	15.00	25
	M20	711F20	20.6	35	39	21	26	21.5	19	72	14.20	10
240	M12	712F12	23.1	44	41	13	28	16.0	17	80	16.30	10
	M14	712F14	23.1	44	41	15	28	19.0	20	83	16.80	10
	M16	712F16	23.1	44	41	17	28	19.0	20	83	16.71	25
	M20	712F20	23.1	44	41	21	28	21.0	22	85	17.12	10
300	M12	713F12	26.1	44	47	13	32	19.0	22	96	25.60	5
	M14	713F14	26.1	44	47	15	32	19.0	22	96	26.56	5
	M16	713F16	26.1	44	47	17	32	19.0	22	96	25.60	5
	M20	713F20	26.1	44	47	21	32	22.0	22	96	26.24	5

► Tool: see chart page 47

■ Angle tubular cable lugs, copper, 10 - 185 mm², 90° angle

For fine strand conductors, DIN VDE 60228
(e.g. VDE 0295 Class 5 and 6)



■ Flared cable entry to ease insertion

Characteristics

- Annealed material optimises material and crimping characteristics
- Flat contact surface by special manufacturing processes
- Tube dimensions suitable for fine strand conductors

Material

- Copper to EN 13600

Surface

- Tin plated

Order info

- 45° angle version also available, part number with „45“
- Also available with inspection hole, part number with „ms“

Cross-section mm²	Size of bolt Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3 min.		
10	M5	742F5	5.5	14	12	5.3	8.0	6.25	7.5	0.80	50
	M6	742F6	5.5	14	12	6.5	8.0	6.25	7.5	0.78	50
	M8	742F8	5.5	14	16	8.5	8.0	9.00	9.5	0.84	50
	M10	742F10	5.5	14	16	10.5	8.0	10.50	12.0	0.88	50
	M12	742F12	5.5	14	19	13.0	8.0	12.00	13.0	0.90	50
16	M5	743F5	6.6	15	13	5.3	9.5	6.25	7.5	1.12	50
	M6	743F6	6.6	15	13	6.5	9.5	6.25	7.5	1.12	50
	M8	743F8	6.6	15	16	8.5	9.5	10.00	10.0	1.30	50
	M10	743F10	6.6	15	17	10.5	9.5	12.00	12.0	1.38	50
	M12	743F12	6.6	15	19	13.0	9.5	13.00	13.0	1.34	50
25	M5	744F5	7.9	17	15	5.3	11.0	7.50	7.5	1.52	25
	M6	744F6	7.9	17	15	6.5	11.0	7.50	7.5	1.54	25
	M8	744F8	7.9	17	17	8.5	11.0	10.00	10.0	1.80	25
	M10	744F10	7.9	17	17	10.5	11.0	12.00	12.0	1.79	25
	M12	744F12	7.9	17	19	13.0	11.0	13.00	13.0	1.76	25
35	M6	745F6	9.2	19	17	6.5	12.5	7.50	7.5	2.02	25
	M8	745F8	9.2	19	18	8.5	12.5	10.00	10.0	2.18	25
	M10	745F10	9.2	19	18	10.5	12.5	12.00	12.0	2.30	25
	M12	745F12	9.2	19	19	13.0	12.5	13.00	13.0	2.26	25
	M14	745F14	9.2	19	21	15.0	12.5	14.50	14.5	2.65	25
50	M6	746F6	11.0	21	21	6.5	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	12.0	3.83	25
	M12	746F12	11.0	21	21	13.0	15.0	13.00	13.0	3.74	25
	M14	746F14	11.0	21	23	15.0	15.0	14.50	14.5	4.20	25
	M16	746F16	11.0	21	28	17.0	15.0	16.00	16.0	4.35	25
70	M8	747F8	13.0	25	25	8.5	17.0	10.00	10.0	4.83	25
	M10	747F10	13.0	25	25	11.0	17.0	12.00	12.0	5.18	25
	M12	747F12	13.0	25	25	13.0	17.0	13.00	13.0	5.16	25
	M14	747F14	13.0	25	25	15.0	17.0	14.50	14.5	5.38	25
	M16	747F16	13.0	25	25	17.0	17.0	16.00	16.0	6.50	25

■ Angle tubular cable lugs, copper, 10 - 185 mm², 90° angle

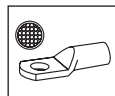
For fine strand conductors, DIN VDE 60228
(e.g. VDE 0295 Class 5 and 6)

Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm							Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	l3 min.		
95	M8	748F8	14.5	26	28	8.5	19.0	12.00	12.0	6.66	25
	M10	748F10	14.5	26	28	11.0	19.0	12.00	12.0	6.04	25
	M12	748F12	14.5	26	28	13.0	19.0	13.00	13.0	6.58	25
	M14	748F14	14.5	26	28	15.0	19.0	14.50	14.5	7.24	25
	M16	748F16	14.5	26	28	17.0	19.0	16.00	16.0	7.34	25
120	M10	749F10	16.2	30	30	11.0	21.0	14.00	14.0	8.76	10
	M12	749F12	16.2	30	30	13.0	21.0	15.00	15.0	8.76	10
	M14	749F14	16.2	30	30	15.0	21.0	15.00	15.0	9.15	10
	M16	749F16	16.2	30	30	17.0	21.0	16.00	16.0	8.54	10
	M20	749F20	16.2	30	36	21.0	21.0	22.00	22.0	9.60	10
150	M10	750F10	18.0	32	34	11	23	15.0	16	11.54	10
	M12	750F12	18.0	32	34	13	23	16.0	18	11.58	10
	M14	750F14	18.0	32	34	15	23	18.0	19	11.90	10
	M16	750F16	18.0	32	34	17	23	19.0	20	11.80	10
	M20	750F20	18.0	32	40	21	23	21.0	22	12.00	10
185	M12	751F12	20.6	35	39	13	26	21.5	19	16.36	10
	M14	751F14	20.6	35	39	15	26	21.5	19	16.20	10
	M16	751F16	20.6	35	39	17	26	21.5	19	15.36	10
	M20	751F20	20.6	35	39	21	26	21.5	19	15.80	10

► Tool: see chart page 47

■ Butt-connector, copper 10 - 150 mm²

For fine strand conductors, DIN VDE 60228
(e.g. VDE 0295 Class 5 and 6)



- Flared cable entry to ease insertion
- With buttmarks for precise cable insertion

Characteristics

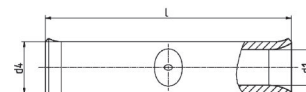
- Annealed material optimises material and crimping characteristics
- Tube dimensions suitable for fine strand conductors

Material

- Copper to EN 13600

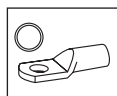
Surface

- Tin plated



Cross-section mm ²	Part No.	Dimensions mm			Weight/ 100 pcs. ~ kg	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

► Tool: see chart page 47



■ Tubular cable lugs, copper 6 - 50 mm²

Special type, for solid conductors (re) e.g. to VDE 0295 Class 1

■ Tube dimensions suitable for solid conductors

Characteristics

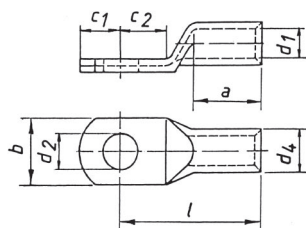
- Annealed material optimises material and crimping characteristics

Material

- Copper to EN 13600

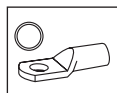
Surface

- Tin plated



Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm								Weight/ 100 pcs. ~ kg	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	6.5	5	6.50	6.5	19.0	0.220	25
10	M6	SR106	4.0	9	10.0	6.5	6	7.00	6.5	19.0	0.300	25
	M8	SR108	4.0	9	14.0	8.5	6	8.50	9.5	22.0	0.320	25
16	M6	SR166	5.0	12	12.5	6.5	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	M6	SR356	7.0	15	14.0	6.5	10	7.50	7.5	30.0	1.200	25
	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	8.5	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

► Tool: see chart page 49



■ Butt-connector, copper 1.5 - 50 mm²

Special type, for solid conductors (re) e.g. to VDE 0295 Class 1

■ Tube dimensions suitable for solid conductors

Characteristics

- Annealed material optimises material and crimping characteristics

Material

- Copper to EN 13600

Surface

- Tin plated



Cross-section mm ²	Part No.	Wire Ø	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l		
1.5-2.5	SV1525	1.38/1.78	1.9	3.9	25	0.210	100
4	SV4	2.25	2.4	4.4	25	0.240	100
6	SV6	2.75	3.0	5.0	25	0.275	100

■ Butt-connector, copper 1.5 - 50 mm²

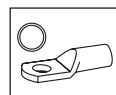
Special type, for solid conductors (re) e.g. to VDE 0295 Class 1

Cross-section mm ²	Part No.	Wire Ø	Dimensions mm			Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l		
10	SV10	3.55	4.0	6.0	25	0.350	100
16	SV16	4.5	5.0	8.0	35	0.960	100
25	SV25	5.65	6.2	10.0	40	1.700	50
35	SV35	6.7	7.0	10.0	40	1.420	50
50	SV50	8	8.5	12.0	70	3.550	50

► Tool: see chart page 49

■ T-connectors, copper 1.5 - 50 mm²

Special type, for solid conductors (re) e.g. to VDE 0295 Class 1



■ For single cable tap conductors

Characteristics

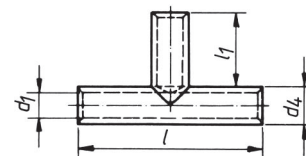
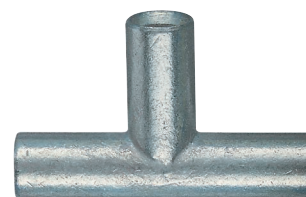
- Annealed material optimises material and crimping characteristics
- Tube dimensions suitable for solid conductors

Material

- Copper to EN 13600

Surface

- Tin plated

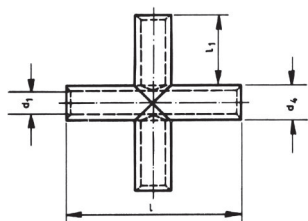
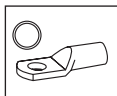


Cross-section mm ²	Part No.	Wire Ø	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l	l1		
1.5-2.5	STV1525	1.38/1.78	1.9	3.9	30	12	0.34	50
4	STV4	2.25	2.4	4.4	30	12	0.40	50
6	STV6	2.75	3.0	5.0	30	12	0.48	50
10	STV10	3.55	4.0	6.0	35	14	0.72	50
16	STV16	4.5	5.0	8.0	35	14	1.40	50
25	STV25	5.65	6.2	10.0	50	21	3.20	25
35	STV35	6.7	7.0	10.0	55	23	2.95	25
50	STV50	8	8.5	12.0	76	32	5.60	25

► Tool: see chart page 49

Electrical connection system

Copper tubular cable lugs and connectors



■ Cross-connector, copper 1.5 - 50 mm²

Special type, for solid conductors (re) e.g. to VDE 0295 Class 1

■ For double cable tap conductor

Characteristics

- Annealed material optimises material and crimping characteristics
- Tube dimensions suitable for solid conductors

Material

- Copper to EN 13600

Surface

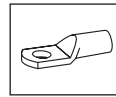
- Tin plated

Cross-section mm ²	Part No.	Wire Ø	Dimensions mm				Weight/ 100 pcs. ~ kg	pcs.
			d1	d4	l	l1		
1.5-2.5	SKV1525	1.38/1.78	1.9	3.9	30	12	0.47	25
4	SKV4	2.25	2.4	4.4	30	12	0.56	25
6	SKV6	2.75	3.0	5.0	30	12	0.67	25
10	SKV10	3.55	4.0	6.0	35	14	0.92	25
16	SKV16	4.5	5.0	8.0	35	14	1.86	25
25	SKV25	5.65	6.2	10.0	50	21	4.20	15
35	SKV35	6.7	7.0	10.0	55	23	3.80	15
50	SKV50	8	8.5	12.0	76	32	7.35	15

► Tool: see chart page 49

■ Tubular cable lug for switch gear connections, copper 35 - 300 mm²

Narrow palm version



- For connections in switch cabinets with reduced connecting space
- For stranded conductors e.g. VDE 0295 Class 2

Characteristics

- Annealed material optimises material and crimping characteristics

Material

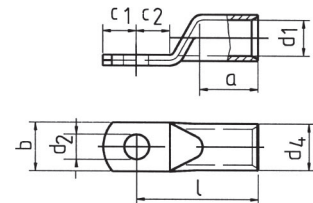
- Copper to EN 13600

Surface

- Tin plated

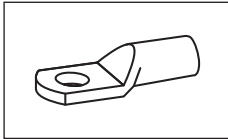
Order info

- Also available with inspection hole, part number with „ms“



Cross-section mm ²	Size of bolt Ø	Part No.	Dimensions mm								Weight/ 100 pcs. ~ kg	pcs.
			d1	a	b	d2	d4	c1	c2	l		
35	M6	5SG6	8.5	17	15.0	6.5	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	8.5	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	30.0	11.5	24.0	87	19.70	5
	M12	13SG12	23.5	44	31.0	13.0	30.0	24.0	24.0	87	22.72	5
	M16	13SG16	23.5	44	31.0	17.0	30.0	24.0	24.0	87	22.50	5

► Tool: see chart page 44

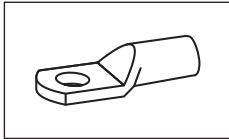


■ Tool application chart

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

Crimping range corresponds to nominal cross-section mm²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
0.5-6	K13		•						☺	257
0.75-2.5	KP1	+KP232		•					☺	267
	KP1L	+KP232		•					☺	267
	EKP1	+KP232				•			☺	322
	TEKP1	+KP232		•					☺	419
	KPM15	+KP232		•					☺	420
0.75-10	K50			•					☺	271
	EK1550					•			☺	316
	EK1550G					•			☺	320
	EK1550ST					•			☺	318
0.75-16	K2		•						☺	257
1-4	K511		•						☺	278
4-10	KP1	+KP242		•					☺	267
	KP1L	+KP242		•					☺	267
	EKP1	+KP242				•			☺	322
	TEKP1	+KP242		•					☺	419
	KPM15	+KP242		•					☺	420
6-50	K5		•						☺	260
	K05		•						☺	262
6+10	K512		•						☺	278
6-120	EK354					•			☺	324
6-185	K18			•					☺	274
	HK6018				•				☺	294
	EK18PLUS					•			☺	326
	PK18							•	☺	387
	THK18						•		☺	358
	HK60UNV	+ UA18			•				☺	309
	EK60UNV	+ UA18				•			☺	347
	PK60UNV	+ UA18						•	☺	405
6-300	K22			•					☺	276
	HK6022				•				☺	296
	EK22PLUS					•			☺	328
	PK22							•	☺	389
	THK22						•		☺	360
	HK60UNV	+ UA22			•				☺	309
	EK60UNV	+ UA22				•			☺	347
	PK60UNV	+ UA22						•	☺	405

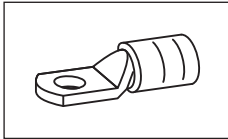
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■ Tool application chart

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

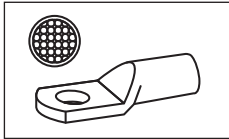
Crimping range corresponds to nominal cross-section mm²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
10-120	K06		•						⬡	264
10-240	HK60VP				•				⬢	298
	EK60VPPLUS					•			⬢	330
	PK60VP							•	⬢	391
16-95	K08		•						⬡	263
	K95		•						⬢	259
	TK95		•						⬢	259
16-300	HK60VPFT				•				⬢	299
	EK60VPFTPLUS					•			⬢	331
	PK60VPFT							•	⬢	392
16-400	HK12025				•				⬡	300
	HK12042				•				⬡	302
	HK120U				•				⬡	304
	EK12025					•			⬡	332
	EK12042					•			⬡	334
	EK120UPLUS					•			⬡	336
	HK122						•		⬡	362
	HK122EL220						•		⬡	367
	HK122EL380						•		⬡	367
	PK12038							•	⬡	393
	PK120U							•	⬡	395
	HK252						•		⬡	364
	HK252EL220						•		⬡	369
	HK252EL380						•		⬡	369
	PK252							•	⬡	397
25-150	K09		•						⬡	265
35-95	K8		•						⬢	262
50-120	K6		•						⬢	260
120-240	K7		•						⬢	261
185-400	K07		•						⬢	261



■ Tool application chart

Insulated tubular cable lugs and butt-connectors „standard type“

Crimping range corresponds to nominal cross-section mm ²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
10-70	EK354					•			○	324
10-95	K18			•					○	274
	HK6018				•				○	294
	EK18PLUS					•			○	326
	PK18							•	○	387
	THK18						•		○	358
	HK60UNV + UA18				•				○	309
	EK60UNV + UA18					•			○	347
	PK60UNV + UA18							•	○	405
10-150	K22			•					○	276
	HK6022				•				○	296
	EK22PLUS					•			○	328
	PK22							•	○	389
	THK22						•		○	360
	HK60UNV + UA22				•				○	309
	EK60UNV + UA22					•			○	347
	PK60UNV + UA22							•	○	405
	HK12025				•				○	300
	HK12042				•				○	302
	HK120U				•				○	304
	EK12025					•			○	332
	EK12042					•			○	334
	EK120UPLUS					•			○	336
	HK122						•		○	362
	HK122EL220						•		○	367
	HK122EL380						•		○	367
	PK12038							•	○	393
	PK120U							•	○	395
	HK252						•		○	364
	HK252EL220						•		○	369
	HK252EL380						•		○	369
	PK252							•	○	397

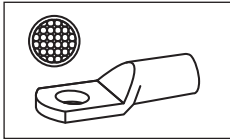


■ Tool application chart

Tubular cable lugs and butt-connectors for fine stranded conductors

Crimping range corresponds to nominal cross-section mm ²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
10-50	EK354					•			☺	324
	K5		•						☺	260
	K18			•					☺	274
	HK6018				•				☺	294
	EK18PLUS					•			☺	326
	PK18							•	☺	387
	THK18						•		☺	358
	HK60UNV + UA18				•				☺	309
	EK60UNV + UA18					•			☺	347
	PK60UNV + UA18							•	☺	405
10-70	K22			•					☺	276
	HK6022				•				☺	296
	EK22PLUS					•			☺	328
	PK22							•	☺	389
	THK22						•		☺	360
	HK60UNV + UA22				•				☺	309
	EK60UNV + UA22					•			☺	347
	PK60UNV + UA22							•	☺	405
10-240	HK60VP				•				☹	298
	EK60VPPLUS					•			☹	330
	PK60VP							•	☹	391
16-95	K95		•						☺	259
	TK95		•						☺	259
16-150	HK60VPFT				•				☹	299
	HK12025				•				☺	300
	HK12042				•				☺	302
	HK120U				•				☺	304
	EK60VPFTPLUS					•			☹	331
	EK12025					•			☺	332
	EK12042					•			☺	334
	EK120UPLUS					•			☺	336
	HK122						•		☺	362
	HK122EL220						•		☺	367
	PK60VPFT							•	☹	392
	PK12038							•	☺	393
	PK120U							•	☺	395

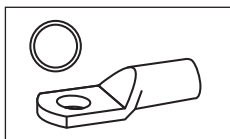
See next page



■ Tool application chart

Tubular cable lugs and butt-connectors for fine stranded conductors

Crimping range corresponds to nominal cross-section mm²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
16-300	HK252						•			364
	HK252EL220						•			369
	HK252EL380						•			369
	PK252							•		397
35-95	K8		•							262
50-120	K6		•							260
120-240	K7		•							261



■ Tool application chart

Tubular cable lugs and connectors for solid conductors

Crimping range corresponds to nominal cross-section mm²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
0.75-16	K02		•						☺	258
1.5-4	K93		•						☹	256
1.5-10	K50			•					☹	271
	EK1550					•			☹	316
	EK1550G					•			☹	320
	EK1550ST					•			☹	318
1.5-16	EK354					•			☹	324
	K18			•					☹	274
	HK6018				•				☹	294
	EK18PLUS					•			☹	326
	PK18							•	☹	387
	THK18						•		☹	358
	HK60UNV + UA18				•				☹	309
	EK60UNV + UA18					•			☹	347
	PK60UNV + UA18							•	☹	405
	K22			•					☹	276
	HK6022				•				☹	296
	EK22PLUS					•			☹	328
	PK22							•	☹	389
	THK22						•		☹	360
	HK60UNV + UA22				•				☹	309
	EK60UNV + UA22					•			☹	347
	PK60UNV + UA22							•	☹	405
6-10	K94		•						☹	256
25-50*	K05		•						☹	262

*For sizes 25 + 35 mm², use the die size 25 mm².

For size 50 mm² use die size 35 mm².

We recommend 2 crimps on each side.



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