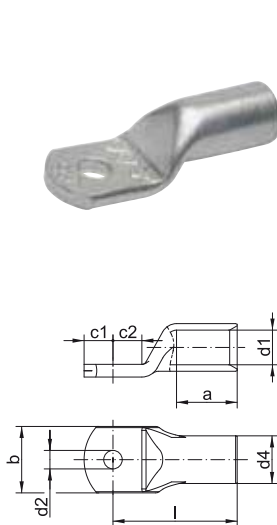




Tubular cable lugs, Cu, standard type



- ▶ 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

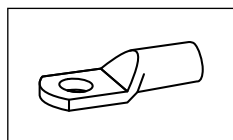
- Also available as featured article with inspection hole, part number appendix „MS“

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

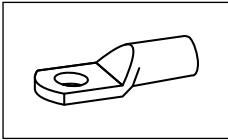


Tool application chart

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	⬡