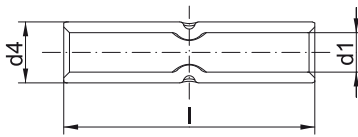


## Butt connectors, Cu, standard type



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

### Characteristics

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

### Material

- Copper (EN13600)

### Surface

- Tin-plated to protect against corrosion

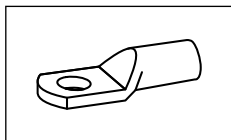
### Technical instructions

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

### Additional information

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

Nominal cross section mm <sup>2</sup>	Part No.	Dimension mm			Weight/ 100 pcs. ~ kg	Packing unit/pcs
		d1	d4	l		
0.75	<b>17R</b>	1.3	2.8	20	0.09	100
1.5	<b>18R</b>	1.8	3.3	25	0.12	100
2.5	<b>19R</b>	2.3	4.2	25	0.20	100
4	<b>20R</b>	3.0	5.0	25	0.26	100
6	<b>21R</b>	3.5	6.5	25	0.50	100
10	<b>22R</b>	4.5	7.0	30	0.72	100
16	<b>23R</b>	5.5	8.5	35	1.00	100
25	<b>24R</b>	7.0	10.0	40	1.41	50
35	<b>25R</b>	8.5	12.0	45	2.24	50
50	<b>26R</b>	10.0	14.0	50	3.36	50
70	<b>27R</b>	12.0	16.5	55	4.87	50
95	<b>28R</b>	13.5	18.0	60	5.91	25
120	<b>29R</b>	15.0	19.5	65	7.00	25
150	<b>30R</b>	16.5	21.0	70	8.12	10
185	<b>31R</b>	19.0	24.0	75	10.06	10
240	<b>32R</b>	21.0	26.0	85	13.82	10
300	<b>33R</b>	23.5	29.5	100	21.94	5
400	<b>34R</b>	27.0	34.0	100	29.65	5

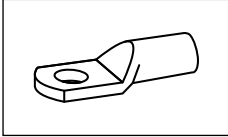


### Tool application chart

**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 mm <sup>2</sup>	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 mm <sup>2</sup>	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	