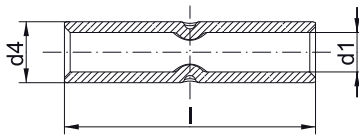


## Butt connectors, Cu, standard type



- ▶ Approval of the tin-plated cable lugs for use with high-temperature cables 180 °C (based on IEC 61238-1-1): The cable lugs can be used with tin-plated conductors of class 5 (fine-wire)
- ▶ For fine-stranded round conductors, e.g. to EN 60228 Cl. 5, 0,75-4 mm<sup>2</sup>
- ▶ For multi-stranded round conductors, e.g. to 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 and EK 30 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
- Item identification on cable lug

### Material

- Copper (EN13600)

### Surface

- Tin-plated to protect against corrosion

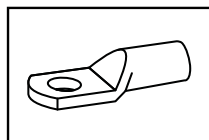
### Technical instructions

- Tool: see page 1.30
- You will find further information on the cable descriptions in the technical appendix, page 1-6
- 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 1.58

### Additional information

- Possible as a special version without butt mark 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



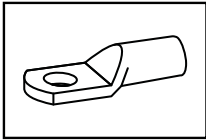
### Tool application chart

#### 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	6 - 50	K5		2.18		
		K05		2.19		
	6 - 120	K06		2.19		
	0,75 - 16	K2		2.16		
	16 - 95	K95		2.17		
	25 - 150	K09		2.20		
Mechanical, electrical, pneumatic crimping tools with interchangeable dies / heads	0,75 - 10	K50		2.23	2.82	
		EK50ML		6.6	2.82	
	6 - 25	K50		2.23	2.82	
		EK50ML		6.6	2.82	
	6 - 150	K354		2.24	2.84	
	6 - 300	K22		2.26	2.87	
Hand hydraulic crimping tools	6 - 300	HK6022		2.56	2.87	
	10 - 240	HK60VP		2.58		
	16 - 300	HK60VPFT		2.59		
	16 - 400	HK12030		2.60	2.91	
		HK12042		2.62	2.91	
		HK120U		2.64	2.91	

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 - 120	EK30IDML		2.30		
	6 - 150	EK354ML		2.32	2.84	
		EK354		2.36	2.84	
		EKM6022		2.38	2.87	
	6 - 300	EK6022		2.40	2.87	
		EKM6022IS		4.6	2.87	
		EKM60UNV	+UA22	6.11	2.87	
		EK60UNV	+UA22	6.12	2.87	
	10 - 240	EK60VP		2.42		
		EKM60ID		2.44		
		EKM60IDIS		4.8		
	16 - 300	EK60VPFT		2.43		
	16 - 400	EK12032		2.46	2.91	
		EK12042		2.48	2.91	
		EK120U		2.50	2.91	
		EK135FT	+UA15T	2.52	2.91	
		EK120UNV	+UA12TKL	6.13	2.91	
	70 - 185	EK120ID		2.45		
Hydraulic crimping systems	6 - 300	THK22		2.68	2.87	
	16 - 400	THK120		2.72	2.91	
		HK252	+25A13	2.78	2.91 + 2.96	
Hydraulic crimping heads	6 - 300	PK22		2.68	2.87	
		PK60UNV	+UA22	6.10	2.87	
	10 - 240	PK60VP		2.70		
		PK60ID		2.71		
	16 - 300	PK60VPFT		2.70		
	16 - 400	PK12042		2.72	2.91	
		PK120U		2.74	2.91	
		PK252	+25A13	2.76	2.91 + 2.96	