

CABLE ACCESSORIES



RADPOL was established on the foundations of a production facility in Czulchów Poland, founded over 40 years ago.

About Company

RADPOL S.A. builds its permanent competitive edge based on the use of innovative technologies in particular segments of operations. Principal recipients for the Group's products are such sectors, as the energy, railway or motor, marine industry, gas and heat.

RADPOL S.A. is one of the most important players on the market of heat-shrinkable products which are produced based on own material blends. Thanks to the use of a unique technology of radiation crosslinking the Company rivals successfully with its competitors. The Company as the only one in Poland and one of three in Europe uses two electron accelerators on an industrial scale with the capacity of 2.5 MeV and 4.5 MeV which allow for the application of most advanced solutions.

The full production process is carried out in our factory, which guarantees the high quality of our products. The quality is of key importance to us and verified in the modern equipped laboratory.

RADPOL S.A. based on a long experience in the industry provides customers with modern solutions on the market and thanks to the development of a unique offer of infrastructural systems.



RADPOL products become a comprehensive supplier of advanced solutions for various sectors of the industry.



RADPOL S.A. reserves the right to make changes in the offer, technical information and packaging units of products presented in this publication without prior notice. The drawings and photos provided are for illustration only and show the visual qualities of the products. This publication is commercial information and is not a commercial offer within the meaning of art. 66 of the Civil Code.

TABLE OF CONTENTS

ALUMINUM CABLE TERMINALS	
Aluminium cable terminals acc. to DIN standard, voltage up to 30kV - type DKA	4
ALUMINUM CABLE FERRULES	
Aluminium ferrules acc. to DIN standard - type DZA	5
Aluminium reducing ferrules with the partition acc. to DIN standard, voltage up to 10 ÷ 30kV - type DZROAP	6
Aluminium ferrules with the partition, acc. to DIN standard, voltage up to 10 ÷ 30kV - type DZOAP	7
Copper cable terminals - type K, KS	8
Copper cable terminals acc. to DIN standard, voltage up to 30kV - type DK, DKS	10
Angular copper cable terminals 45° - type KU, KUS	11
Angular copper cable terminals 45°, acc. to DIN standard, voltage up to 30kV - type DKU, DKUS	12
Angular copper cable terminals 90°, voltage up to 30kV, acc. to DIN standard - type DKP, DKPS	13
Tinned and soldered ring terminals - type LZ	14
Insulated tinned ring terminals - type LI	15
Tinned sleeving terminals, insulated - type AI	16
Tinned double sleeving terminals, insulated - type AI 2x	17
Ferrule Kit	18
COPPER CABLE FERRULES	
Copper cable ferrules - type Z, ZS	19
Copper cable ferrules acc. to DIN standard - type DZ, DZS	20
Copper butt connectors with shrinkable insulation with adhesive - type ZKIT	21
Copper cable ferrule with tin and heat-shrinkable insulation with adhesive - type ZKIC	21
ALUMINUM-COPPER CABLE TERMINALS	
Aluminum-copper cable terminals, for voltages up to 30 kV, leakproof, acc. to DIN standard - type DKAMP	22
ALUMINUM-COPPER CABLE FERRULES	
Aluminum-copper cable ferrules with leakproof partition, acc. to DIN standard - type DZAM	23
Aluminum-copper washers - type PC	24
SCREW-LIKE CABLE ENDS	
Screw-like cable ends, tight, for voltage up to 36kV – SN ML36 type	25
Screw-like cable connectors, tight, for voltage up to 36 kV - SN MC36 type	25
12-WAY THREAD TERMINAL BLOCKS FOR WIRES	
12-way thread terminal blocks for wires - type Z12T	26
FLOP CABLE GRIPS	
For flat conductors fastening - type FP	27
For round conductors fastening - type FO	28
QUICK ASSEMBLY HOLDER	
Quick assembly holders for flat conductors - type USMP	29
Quick assembly holders for round conductors - type USMO	29
Hook quick assembly holders for pipes - type USMH	30
CABLE GRIPS AND HOLDERS	
Collective cable holders - type UKZ	30
Cable hitching grips - type UP	31
All-purpose cable grips for cables and pipes - type UKU	31
CABLE TIES	
Cable ties - type CT (white and black) - type CT	32
ELEMENTS FASTENED FOR CABLE TIES	
Elements screwed down to the foundation with the aid of the screw - type UMO	33
Self-strick elements - type UMS	33

TABLE OF CONTENTS

ELECTRO-INSULATING TAPES

Electro-insulating tapes - type AR	34
------------------------------------	----

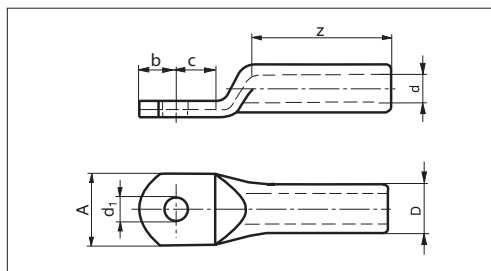
CABLE GLANDS

Cable glands, polyamide - type DR ... NP2	35
---	----

VIBROISOLATORS

Vibroisolators type UC	36
------------------------	----

Aluminium cable terminals acc. to DIN standard, voltage up to 30kV - type DKA

**Application**

For the termination of round aluminum cores and sector - shaped conductors, voltage up to 30KV. They increase the safety and life of connection.

Assembling

In order to make the durable assembling of terminal, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data

Accordance with DIN 46 329 standard concerns the tubular part. DIN standard 46 329 does not cover cross-sections 16 mm² and 625 mm².

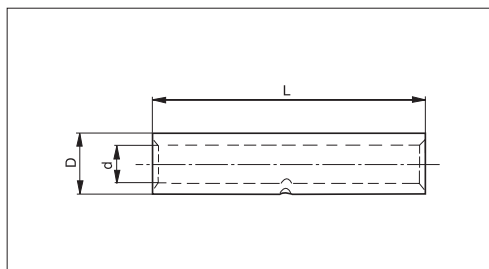
Material: aluminum pipe and bars drawing in the recrystallizing condition of EN AW-1050 A grade PN-EN 573-3. DKA terminals are protected inside by technical contact paste improved the connection quality.

For the assurance of suitable plasticity of contact paste, the DKA terminals are packed separately one piece in one folie sack and next all together.

Core cross section [mm ²]	Type of terminals	Type of terminals	Packing [pcs.]	Cumulative packing [pcs.]	Dimensions [mm]							
rm, sm	se				D	d	d ₁	A	b	c	z	
16	25	DKA 16/6.	WOKCA0160000601	50	300	12	5,6	6,5	18	8	15,5	30
16	25	DKA 16/8	WOKCA0160000801	50	300	12	5,6	8,5	18	10	15,5	30
16	25	DKA 16/10	WOKCA0160001001	50	300	12	5,6	10,5	18	12	15,5	30
25	35	DKA 25/8.	WOKCA0250000801	50	250	12	6,8	8,5	18	10	15,5	30
25	35	DKA 25/10	WOKCA0250001001	50	250	12	6,8	10,5	18	12	15,5	30
35	50	DKA 35/8	WOKCA0350000801	50	200	14	8	8,5	21	10	15,5	42
35	50	DKA 35/10.	WOKCA0350001001	50	200	14	8	10,5	21	12	15,5	42
35	50	DKA 35/12	WOKCA0350001201	50	200	14	8	13	21	13	15,5	42
50	70	DKA 50/8	WOKCA0500000801	20	140	16	9,8	8,5	25	10	15,5	42
50	70	DKA 50/10.	WOKCA0500001001	20	140	16	9,8	10,5	25	12	15,5	42
50	70	DKA 50/12	WOKCA0500001201	20	140	16	9,8	13	25	13	15,5	42
70	95	DKA 70/8	WOKCA0700000801	20	100	18,5	11,2	8,5	28	10	15,5	52
70	95	DKA 70/10	WOKCA0700001001	20	100	18,5	11,2	10,5	28	12	15,5	52
70	95	DKA 70/12.	WOKCA0700001201	20	100	18,5	11,2	13	28	13	15,5	52
95	120	DKA 95/10	WOKCA0950001001	20	60	22	13,2	10,5	32	12	15,5	56
95	120	DKA 95/12.	WOKCA0950001201	20	60	22	13,2	13	32	13	15,5	56
120	150	DKA 120/10	WOKCA1200001001	10	60	23	14,7	10,5	32	12	20	56
120	150	DKA 120/12.	WOKCA1200001201	10	60	23	14,7	13	32	13	20	56
120	150	DKA 120/16	WOKCA1200001601	10	60	23	14,7	17	32	16	20	56
150	185	DKA 150/10	WOKCA1500001001	10	40	25	16,3	10,5	35	12	20	60
150	185	DKA 150/12	WOKCA1500001201	10	40	25	16,3	13	35	13	20	60
150	185	DKA 150/16.	WOKCA1500001601	10	40	25	16,3	17	35	16	20	60
185	240	DKA 185/12	WOKCA1850001201	10	30	28,5	18,3	13	40	13	20	60
185	240	DKA 185/16.	WOKCA1850001601	10	30	28,5	18,3	17	40	16	20	60
240	300	DKA 240/12	WOKCA2400001201	10	30	32	21	13	45	13	24	70
240	300	DKA 240/16.	WOKCA2400001601	10	30	32	21	17	45	16	24	70
300	-	DKA 300/12	WOKCA3000001201	10	20	34	23,3	13	49	13	24	70
300	-	DKA 300/16.	WOKCA3000001601	10	20	34	23,3	17	49	16	24	70
500		DKA 500/12	WOKCA5000001201	4	12	44	29	13	71	20	24	79
500		DKA 500/16	WOKCA5000001601	4	12	44	29	17	71	20	24	79
500		DKA 500/20	WOKCA5000002001	4	12	44	29	21	71	20	24	79
625	-	DKA 625/12	WOKCA6250001201	4	12	52	35	13	71	20	24	95
625	-	DKA 625/16	WOKCA6250001601	4	12	52	35	17	71	20	24	95
625	-	DKA 625/20	WOKCA6250002001	4	12	52	35	21	71	20	24	95

rm - round bunched core, sm - segmental bunched core, se - segmental solid core.

Aluminium ferrules acc. to DIN standard - type DZA

**Application**

For connection of round aluminum cores and sector - shaped conductors, voltage up to 10kV. They increase the safety and life of connection.

Assembling

In order to make the durable assembling of ferrule, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data

Full accordance with DIN 46267-2 standards. DIN standard 46 267-2 does not cover cross-sections 16 mm² and 625 mm².

Material: aluminum pipe in the recrystallizing condition of EN AW-1050 Agrade PN-EN 573-3.

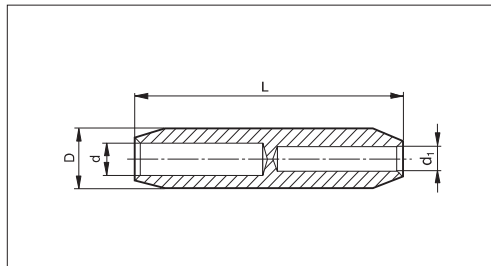
Special contact paste applied inside ferrules improve the quality of the connection.

For the assurance of suitable plasticity of contact paste, the ferrules are packed separately one piece in one folie sack.

Core cross section [mm ²]		Type of ferrules	Index	Packing [pcs.]	Cumulative packing [pcs.]	Dimensions [mm]		
rm, sm	se					D	d	L
16	25	DZA 16	WOZCA0160000001	50	350	12,0	5,6	60
25	35	DZA 25	WOZCA0250000001	50	300	12,0	6,8	70
35	50	DZA 35	WOZCA0350000001	50	200	14,0	8,0	85
50	70	DZA 50	WOZCA0500000001	20	160	16,0	9,8	85
70	95	DZA 70	WOZCA0700000001	20	100	18,5	11,2	105
95	120	DZA 95	WOZCA0950000001	20	80	22,0	13,2	105
120	150	DZA 120	WOZCA1200000001	10	80	23,0	14,7	105
150	185	DZA 150	WOZCA1500000001	10	50	25,0	16,3	125
185	240	DZA 185	WOZCA1850000001	10	40	28,5	18,3	125
240	300	DZA 240	WOZCA2400000001	10	30	32,0	21,0	145
300	-	DZA 300	WOZCA3000000001	10	20	34,0	23,3	145
500	-	DZA 500	WOZCA5000000001	4	12	44,0	29,0	210
625	-	DZA 625	WOZCA6250000001	4	12	52,0	35,0	210

rm - round bunched core, sm - segmental bunched core, se - segmental solid core.

Aluminium reducing ferrules with the partition acc. to DIN standard, voltage up to 10 ÷ 30kV - type DZROAP



Application

For connection of round aluminum cores and sector - shaped conductors, voltage up to 10 ÷ 30kV. They increase the safety and life of connection.

Assembling

In order to make the durable assembling of ferrule, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data

Standard diameters DIN 46267 part.2. DIN standard DIN 46267 part.2 does not cover cross-sections 16 mm².

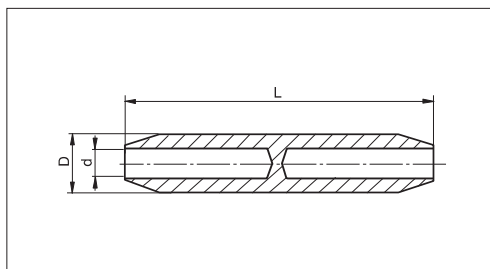
Material: aluminum bars drawing in the recrystallizing condition of EN AW-1050 Agrade PN-EN 573-3. With the leakproof partition. Special contact paste applied inside ferrules improve the quality of the connection.

For the assurance of suitable plasticity of contact paste, the ferrules are packed separately one piece in one folie sack.

Core cross section [mm ²] input	output	Type of ferrules	Index	Packing [pcs.]	Cumulative packing [pcs.]	Dimension [mm]			
						D	d	d ₁	L
50	35	DZROAP 50 / 35*	WOZJA0500350001	4	20	16,0	9,8	8,0	95
70	35	DZROAP 70 / 35	WOZJA0700350001	4	20	18,5	11,2	8,0	100
70	50	DZROAP 70 / 50	WOZJA0700500001	4	20	18,5	11,2	9,8	100
95	50	DZROAP 95 / 50*	WOZJA0950500001	4	20	22,0	13,2	9,8	105
95	70	DZROAP 95 / 70*	WOZJA0950700001	4	20	22,0	13,2	11,2	105
120	35	DZROAP 120 / 35*	WOZJA1200350001	4	12	23,0	14,7	8,0	110
120	50	DZROAP 120 / 50	WOZJA1200500001	4	12	23,0	14,7	9,8	110
120	70	DZROAP 120 / 70	WOZJA1200700001	4	12	23,0	14,7	11,2	110
120	95	DZROAP 120 / 95*	WOZJA1200950001	4	12	23,0	14,7	13,2	110
150	70	DZROAP 150 / 70*	WOZJA1500700001	4	12	25,0	16,3	11,2	110
150	95	DZROAP 150 / 95*	WOZJA1500950001	4	12	25,0	16,3	13,2	110
150	120	DZROAP 150 / 120*	WOZJA1501200001	4	12	25,0	16,3	14,7	110
240	70	DZROAP 240 / 70*	WOZJA2400700001	4	12	32,0	21,0	11,2	130
240	95	DZROAP 240 / 95*	WOZJA2400950001	4	12	32,0	21,0	13,2	130
240	120	DZROAP 240 / 120*	WOZJA2401200001	4	12	32,0	21,0	14,7	130
240	150	DZROAP 240 / 150	WOZJA2401500001	4	12	32,0	21,0	16,3	130
240	185	DZROAP 240 / 185	WOZJA2401850001	4	12	32,0	21,0	18,3	130

* position offered on request, the price depends on the expected quantities.

Aluminium ferrules with the partition, acc. to DIN standard, voltage up to 10 ÷ 30kV - type DZOAP



Application

For connection of round aluminum cores and sector - shaped conductors, voltage up to 10 ÷ 30kV. They increase the safety and life of connection.

Assembling

In order to make the durable assembling of ferrule, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data

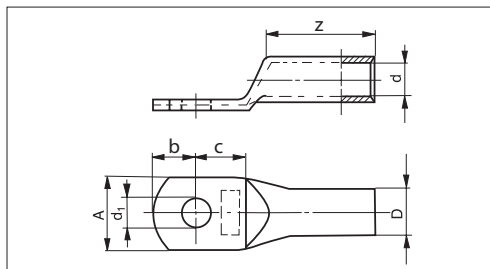
Standard diameters DIN 46267 part.2. DIN standard DIN 46267 part.2 does not cover cross-sections 16 mm².
Material: aluminum bars drawing in the recrystallizing condition of EN AW-1050 Agrade PN-EN 573-3.
With the leakproof partition. Special contact paste applied inside ferrules improve the quality of the connection.
For the assurance of suitable plasticity of contact paste, the ferrules are packed separately one piece in one folie sack.

Core cross section [mm ²] rm, sm	Type of ferrules	Index	Packing [pcs.]	Cumulative packing [pcs.]	Dimension [mm]		
					D	d	L
35	DZOAP 35	WOZJA03500000001	4	48	14,0	8,0	95
50	DZOAP 50	WOZJA05000000001	4	20	16,0	9,8	95
70	DZOAP 70	WOZJA07000000001	4	20	18,5	11,2	100
95	DZOAP 95	WOZJA09500000001	4	20	22,0	13,2	105
120	DZOAP 120	WOZJA12000000001	4	12	23,0	14,7	110
150	DZOAP 150	WOZJA15000000001	4	12	25,0	16,3	110
185	DZOAP 185*	WOZJA18500000001	4	12	28,5	18,3	130
240	DZOAP 240	WOZJA24000000001	4	12	32,0	21,0	130

rm - round bunched core, **sm** - segmental bunched core, **se** - segmental solid core.

* position offered on request, the price depends on the expected quantities.

Copper cable terminals - type K, KS



K -Terminals without galvanic coating KS - Tinned terminals

Application For termination of round and sector shape copper conductors for voltage up to 1kV. They increase the safety and life of connection.

Assembling In order to make the durable assembling of terminal, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data Material: copper pipes and bars of grade Cu-ETP acc. with PN PN-EN 13600, PN-EN 13601. KS terminals have electroplated protective tin coatings.

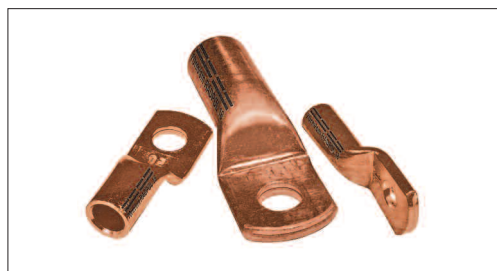
Core cross sect. [mm ²]	Type of terminals	Index	Type of terminals	Index	Packing [pcs.]	C. packing [pcs.]	D	d	d ₁	A	b	c	z
2,5	K 2,5/4	TOKAC0020000401	KS 2,5/4	TOKAZ0020000401	100	7000	4	2,4	4,2	8	4	5	7
2,5	K 2,5/6	TOKAC0020000601			100	7000	4	2,4	6,5	10	5	6	7
4	K 4/5	TOKAC0040000501	KS 4/5	TOKAZ0040000501	100	6000	4,5	2,9	5,3	10	5	6	7
4	K 4/6	TOKAC0040000601	KS 4/6	TOKAZ0040000601	100	6000	4,5	2,9	6,5	10	5	6	7
4	K 4/8	TOKAC0040000801	KS 4/8	TOKAZ0040000801	100	6000	4,5	2,9	8,5	12,5	6,5	7	7
6	K 6/5	TOKAC0060000501	KS 6/5	TOKAZ0060000501	100	5000	5,5	3,8	5,3	10	5	6	9
6	K 6/6	TOKAC0060000601	KS 6/6	TOKAZ0060000601	100	5000	5,5	3,8	6,5	12	6	9	9
6	K 6/8	TOKAC0060000801	KS 6/8	TOKAZ0060000801	100	5000	5,5	3,8	8,5	12,5	6	9	9
10	K 10/5	TOKAC0100000501			100	2500	6,2	4,5	5,3	12	6	7	9
10	K 10/6	TOKAC0100000601	KS 10/6	TOKAZ0100000601	100	2500	6,2	4,5	6,5	12	6	7	9
10	K 10/8	TOKAC0100000801	KS 10/8	TOKAZ0100000801	100	2500	6,2	4,5	8,5	12,5	7	8	9
10	K 10/10	TOKAC0100001001	KS 10/10	TOKAZ0100001001	100	2500	6,2	4,5	10,5	15	8	8	9
16	K 16/5	WOKAC0160000501	KS 16/5*	WOKAZ0160000501	50	1100	8,5	5,5	5,5	12,5	6,5	8	13
16	K 16/6	WOKAC0160000601	KS 16/6	WOKAZ0160000601	50	1100	8,5	5,5	6,5	12,5	6,5	8	13
16	K 16/8	WOKAC0160000801	KS 16/8	WOKAZ0160000801	50	1100	8,5	5,5	8,5	14,5	10	10	13
16	K 16/10	WOKAC0160001001	KS 16/10	WOKAZ0160001001	50	1100	8,5	5,5	10,5	17	10	10	13
16	K 16/12	WOKAC0160001201	KS 16/12	WOKAZ0160001201	50	1100	8,5	5,5	13	18,5	12,5	13,5	13
25	K 25/6	WOKAC0250000601	KS 25/6	WOKAZ0250000601	50	800	10	7	6,5	16	8	8	16
25	K 25/8	WOKAC0250000801	KS 25/8	WOKAZ0250000801	50	800	10	7	8,5	16	10	10	16
25	K 25/10	WOKAC0250001001	KS 25/10	WOKAZ0250001001	50	500	10	7	10,5	18	12,5	12,5	16
25	K 25/12	WOKAC0250001201	KS 25/12	WOKAZ0250001201	50	500	10	7	13	18	12,5	14	16
35	K 35/6	WOKAC0350000601	KS 35/6	WOKAZ0350000601	50	600	12	8,5	6,5	18	7,5	8	18
35	K 35/8	WOKAC0350000801	KS 35/8	WOKAZ0350000801	50	600	12	8,5	8,5	18	10	11	18
35	K 35/10	WOKAC0350001001	KS 35/10	WOKAZ0350001001	50	500	12	8,5	11	19	12,5	12,5	18
35	K 35/12	WOKAC0350001201	KS 35/12	WOKAZ0350001201	50	500	12	8,5	13	20	12,5	13,5	18
50	K 50/6	WOKAC0500000601	KS 50/6	WOKAZ0500000601	20	300	14	10	6,5	20	11	11,5	19
50	K 50/8	WOKAC0500000801	KS 50/8	WOKAZ0500000801	20	300	14	10	8,5	20	11	11	19
50	K 50/10	WOKAC0500001001	KS 50/10	WOKAZ0500001001	20	300	14	10	11	20	12,5	12,5	19
50	K 50/12	WOKAC0500001201	KS 50/12	WOKAZ0500001201	20	300	14	10	13	21	12,5	13,5	19
50	K 50/14*	WOKAC0500001401	KS 50/14*	WOKAZ0500001401	20	300	14	10	14,5	23	14,5	15,5	19
50	K 50/16*	WOKAC0500001601	KS 50/16*	WOKAZ0500001601	20	300	14	10	17	28	17	17	19
70	K 70/6*	WOKAC0700000601	KS 70/6*	WOKAZ0700000601	20	240	16,5	12,1	6,5	23	11	11	22
70	K 70/8	WOKAC0700000801	KS 70/8	WOKAZ0700000801	20	240	16,5	12,1	8,5	23	11	11	22
70	K 70/10	WOKAC0700001001	KS 70/10	WOKAZ0700001001	20	240	16,5	12,1	11	23	12,5	12,5	22
70	K 70/12	WOKAC0700001201	KS 70/12	WOKAZ0700001201	20	240	16,5	12,1	13	23	12,5	13,5	22
70	K 70/14*	WOKAC0700001401	KS 70/14*	WOKAZ0700001401	20	240	16,5	12,1	14,5	23	14,5	15,5	22
70	K 70/16*	WOKAC0700001601	KS 70/16*	WOKAZ0700001601	20	240	16,5	12,1	17	28	17	17	22
95	K 95/6*	WOKAC0950000601	KS 95/6*	WOKAZ0950000601	20	200	18	13,6	6,3	26	11	11	26
95	K 95/8	WOKAC0950000801	KS 95/8	WOKAZ0950000801	20	200	18	13,6	8,4	26	11	11	26
95	K 95/8	WOKAC0950000801	KS 95/8	WOKAZ0950000801	20	200	18	13,6	8,4	26	11	11	26

Copper cable terminals - type K, KS - continued

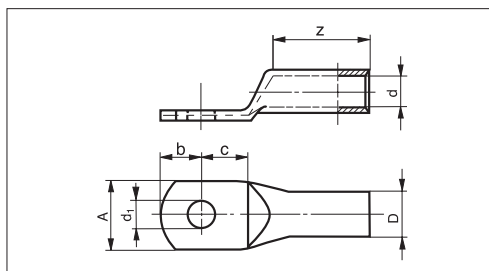
Core cross sect. [mm ²]	Type of terminals	Index	Type of terminals	Index	Packing		Dimensions [mm]						
					C. packing [pcs.]	packing [pcs.]	D	d	d ₁	A	b	c	z
95	K 95/10	WOKAC0950001001	KS 95/10	WOKAZ0950001001	20	200	18	13,6	11	26	12,5	12,5	26
95	K 95/12	WOKAC0950001201	KS 95/12	WOKAZ0950001201	20	200	18	13,6	13	26	12,5	13,5	26
95	K 95/16	WOKAC0950001601	KS 95/16	WOKAZ0950001601	20	200	18	13,6	17	28	17	17	26
120	K 120/8	WOKAC1200000801	KS 120/8	WOKAZ1200000801	10	150	19,5	15,1	8,5	29	11	11	26
120	K 120/10	WOKAC1200001001	KS 120/10	WOKAZ1200001001	10	150	19,5	15,1	11	29	12,5	12,5	26
120	K 120/12	WOKAC1200001201	KS 120/12	WOKAZ1200001201	10	150	19,5	15,1	13	29	12,5	13,5	26
120	K 120/16	WOKAC1200001601	KS 120/16	WOKAZ1200001601	10	150	19,5	15,1	17	30	17	17	26
150	K 150/8	WOKAC1500000801	KS 150/8	WOKAZ1500000801	10	100	21	16,5	8,3	31	11,5	11	30
150	K 150/10	WOKAC1500001001	KS 150/10	WOKAZ1500001001	10	100	21	16,5	11	31	12,5	12,5	30
150	K 150/12	WOKAC1500001201	KS 150/12	WOKAZ1500001201	10	100	21	16,5	13	31	12,5	13,5	30
150	K 150/16	WOKAC1500001601	KS 150/16	WOKAZ1500001601	10	100	21	16,5	17	31	17	17	30
185	K 185/8	WOKAC1850000801	KS 185/8*	WOKAZ1850001001	10	80	24	19	8,4	35	11	11	30
185	K 185/10	WOKAC1850001001	KS 185/10	WOKAZ1850001201	10	80	24	19	11	35	12,5	12,5	30
185	K 185/12	WOKAC1850001201	KS 185/12	WOKAZ1850001401	10	80	24	19	13	35	12,5	13,5	30
185	K 185/16	WOKAC1850001601	KS 185/16	WOKAZ1850002001	10	80	24	19	17	35	17	17	30
240	K 240/10	WOKAC2400001001	KS 240/10	WOKAZ2400001201	10	80	26	21	11	38	13	12,5	35
240	K 240/12	WOKAC2400001201	KS 240/12	WOKAZ2400001401	10	80	26	21	13	38	12,5	13,5	35
240	K 240/14	WOKAC2400001401	KS 240/14	WOKAZ2400001601	10	80	26	21	14,5	38	15	15	35
240	K 240/16	WOKAC2400001601	KS 240/16	WOKAZ2400002001	10	80	26	21	17	38	17	17	35
300	K 300/10	WOKAC3000001001	KS 300/10	WOKAZ3000001201	10	50	30	24	11	43	12,5	13,5	45
300	K 300/12	WOKAC3000001201	KS 300/12	WOKAZ3000001401	10	50	30	24	13,0	43	14,5	15,5	45
300	K 300/14	WOKAC3000001401	KS 300/14	WOKAZ3000001601	10	50	30	24	14,5	43	14,5	15,5	45
300	K 300/16	WOKAC3000001601	KS 300/16	WOKAZ3000002001	10	50	30	24	17	43	17	17	45

* position offered on request, the price depends on the expected quantities.

Copper cable terminals acc. to DIN standard, voltage up to 30kV - type DK, DKS



DK - Terminals without galvanic coating
DKS - Tinned terminals

**Application**

For termination of round and sector shape copper conductors for voltage up to 30kV.
They increase the safety and life of connection.

Assembling

In order to make the durable assembling of terminal, it should be pressed by using the suitable press
(in case of sector cores - the core should be first formed round).

Technical data

Dimensions according to DIN 46235.

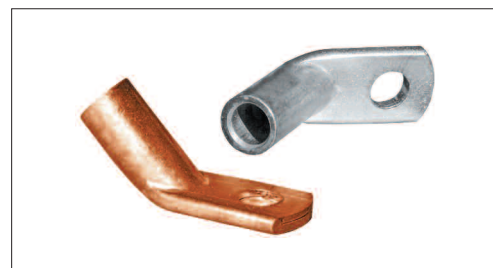
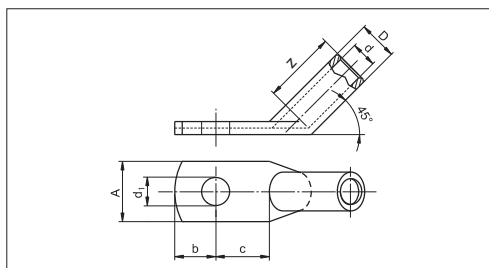
Material: copper pipes and bars of grade Cu-ETP acc. with PN PN-EN 13600, PN-EN 13601.

DKPS terminals have electroplated protective tin coatings.

Core cross sect. [mm ²]	Type of terminals	Index	Type of terminals	Index	Packing [pcs.]	C. packing [pcs.]	Dimensions [mm]						
							D	d	d ₁	A	b	c	z
16	DK 16/6.	WOKCC0160000601	DKS 16/6.	WOKCZ0160000601	50	1000	8,5	5,5	6,4	13	10,5	8	20
16	DK 16/8	WOKCC0160000801	DKS 16/8	WOKCZ0160000801	50	1000	8,5	5,5	8,4	13	13	10	20
25	DK 25/8.	WOKCC0250000801	DKS 25/8.	WOKCZ0250000801	50	500	10	7	8,4	16	13	10	20
25	DK 25/10	WOKCC0250001001	DKS 25/10	WOKCZ0250001001	50	500	10	7	10,5	17	15	12	20
35	DK 35/8.	WOKCC0350000801	DKS 35/8.	WOKCZ0350000801	50	500	12,5	8,2	8,4	17	13	10	20
35	DK 35/10	WOKCC0350001001	DKS 35/10	WOKCZ0350001001	50	500	12,5	8,2	10,5	19	15	12	20
50	DK 50/8	WOKCC0500000801	DKS 50/8	WOKCZ0500000801	20	200	14,5	10	8,4	20	13	10	28
50	DK 50/10.	WOKCC0500001001	DKS 50/10.	WOKCZ0500001001	20	200	14,5	10	10,5	22	15	12	28
50	DK 50/12	WOKCC0500001201	DKS 50/12	WOKCZ0500001201	20	200	14,5	10	13	24	16	13	28
70	DK 70/8	WOKCC0700800001	DKS 70/8	WOKCZ0700000801	20	200	16,5	11,5	8,4	24	13	10	28
70	DK 70/10.	WOKCC0701000001	DKS 70/10.	WOKCZ0700001001	20	200	16,5	11,5	10,5	24	15	12	28
70	DK 70/12	WOKCC0701200001	DKS 70/12	WOKCZ0700001201	20	200	16,5	11,5	13	24	16	13	28
95	DK 95/8	WOKCC0950000801	DKS 95/8*	WOKCZ0950080001	20	140	19	13,5	8,5	28	13	10	35
95	DK 95/10.	WOKCC0950001001	DKS 95/10.	WOKCZ0950001001	20	140	19	13,5	10,5	28	15	12	35
95	DK 95/12	WOKCC0950001201	DKS 95/12	WOKCZ0950001201	20	140	19	13,5	13	28	16	13	35
120	DK 120/10	WOKCC1200001201	DKS 120/10	WOKCZ1200001001	10	100	21	15,5	10,5	32	15	12	35
120	DK 120/12.	WOKCC1200001401	DKS 120/12.	WOKCZ1200001201	10	100	21	15,5	13	32	16	13	35
120	DK 120/16	WOKCC1500001001	DKS 120/16*	WOKCZ1200001601	10	100	21	15,5	17	32	19	16	35
150	DK 150/12.	WOKCC1500001201	DKS 150/12.	WOKCZ1500001201	10	80	23,5	17	13	34	16	13	35
150	DK 150/16	WOKCC1500001601	DKS 150/16*	WOKCZ1500001601	10	80	23,5	17	17	34	19	16	35
185	DK 185/12	WOKCC1850001201	DKS 185/12	WOKCZ1850001201	10	50	25,5	19	13	37	16	13	40
185	DK 185/16.	WOKCC1850001601	DKS 185/16.*	WOKCZ1850001601	10	50	25,5	19	17	37	19	16	40
240	DK 240/12	WOKCC2400001201	DKS 240/12	WOKCZ2400001201	10	50	29	21,5	13	42	16	13	40
240	DK 240/16.	WOKCC2400001601	DKS 240/16.	WOKCZ2400001601	10	50	29	21,5	17	42	19	16	40
300	DK 300/12	WOKCC3000001201	DKS 300/12	WOKCZ3000001201	4	12	32	24,5	13	48	19	16	50
300	DK 300/16.	WOKCC3000001601	DKS 300/16.	WOKCZ3000001601	4	12	32	24,5	17	48	19	16	50
300	DK 300/20	WOKCC3000002001	DKS 300/20*	WOKCZ3000002001	4	12	32	24,5	21	48	22	20	50
400	DK 400/16.	WOKCC4000001601	DKS 400/16.	WOKCZ4000001601	4	12	38,5	27,5	17	55	25	16	70
400	DK 400/20	WOKCC4000002001	DKS 400/20	WOKCZ4000002001	4	12	38,5	27,5	21	55	25	20	70
500	DK 500/16	WOKCC5000001601	DKS 500/16	WOKCZ5000001601	4	12	42	31	17	60	25	20	70
500	DK 500/20.	WOKCC5000002001	DKS 500/20.	WOKCZ5000002001	4	12	42	31	21	60	25	20	70
625	DK 625/16	WOKCC6250001601	DKS 625/16	WOKCZ6250001601	4	12	44	34,5	17	60	25	20	80
625	DK 625/20.	WOKCC6250002001	DKS 625/20.	WOKCZ6250002001	4	12	44	34,5	21	60	25	20	80

* position offered on request, the price depends on the expected quantities.

Angular copper cable terminals 45° - type KU, KUS



KU - Angular cable terminals 45°, without galvanic coating
KUS - Tinned angular cable terminals 45°

Application

For termination of round and sector shape copper conductors for voltage up to 1kV.
They increase the safety and life of connection.

Assembling

In order to make the durable assembling of terminal, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round)..

Technical data

Material: copper pipes and bars of grade Cu-ETP acc. with PN PN-EN 13600, PN-EN 13601.
KUS terminals have electroplated protective tin coatings.

Core cross sect. [mm ²]	Type of terminals	Index	Type of terminals	Index	Packing [pcs.]	C. packing [pcs.]	Dimensions [mm]						
							D	d	d ₁	A	b	c	z
16	KU 16/5	WOKEC0160000501	KUS 16/5*	WOKEZ0160000501	50	800	8,5	5,5	5,5	12,5	6,5	8	13
16	KU 16/6	WOKEC0160000601	KUS 16/6.*	WOKEZ0160000601	50	800	8,5	5,5	6,5	12,5	6,5	8	13
16	KU 16/8	WOKEC0160000801	KUS 16/8	WOKEZ0160000801	50	800	8,5	5,5	8,5	14,5	10	10	13
16	KU 16/10	WOKEC0160001001	KUS 16/10*	WOKEZ0160001001	50	800	8,5	5,5	11	17	10	10	13
16	KU 16/12	WOKEC0160001201	KUS 16/12*	WOKEZ0160001201	50	800	8,5	5,5	13	18,5	12,5	13,5	13
25	KU 25/6	WOKEC0250000601	KUS 25/6*	WOKEZ0250000601	50	500	10	7	6,5	16	8	8	16
25	KU 25/8	WOKEC0250000801	KUS 25/8	WOKEZ0250000801	50	500	10	7	8,5	16	10	10	16
25	KU 25/10	WOKEC0250001001	KUS 25/10	WOKEZ0250001001	50	500	10	7	11	18	12,5	12,5	16
25	KU 25/12	WOKEC0250001201	KUS 25/12*	WOKEZ0250001201	50	500	10	7	13	18	12,5	14	16
35	KU 35/6	WOKEC0350000601	KUS 35/6*	WOKEZ0350000601	50	300	12	8,5	6,5	18	7,5	8	17
35	KU 35/8	WOKEC0350000801	KUS 35/8	WOKEZ0350000801	50	300	12	8,5	8,5	18	10	11	17
35	KU 35/10	WOKEC0350001001	KUS 35/10*	WOKEZ0350001001	50	300	12	8,5	11	19	12,5	12,5	17
35	KU 35/12	WOKEC0350001201	KUS 35/12*	WOKEZ0350001201	50	300	12	8,5	13	20	12,5	13,5	17
50	KU 50/8	WOKEC0500000801	KUS 50/8	WOKEZ0500000801	20	240	14	10	8,5	20	11	11	20
50	KU 50/10	WOKEC0500001001	KUS 50/10	WOKEZ0500001001	20	240	14	10	11	20	12,5	12,5	20
50	KU 50/12	WOKEC0500001801	KUS 50/12*	WOKEZ0500001201	20	240	14	10	13	21	12,5	13,5	20
50	KU 50/14	WOKEC0500001401	KUS 50/14*	WOKEZ0500001401	20	240	14	10	15	23	14,5	15,5	20
50	KU 50/16	WOKEC0500001601	KUS 50/16*	WOKEZ0500001601	20	240	14	10	17	28	17	17	20
70	KU 70/8	WOKEC0700000801	KUS 70/8	WOKEZ0700000801	20	200	16,5	12,1	8,5	23	11	11	21
70	KU 70/10	WOKEC0700001001	KUS 70/10	WOKEZ0700001001	20	200	16,5	12,1	11	23	12,5	12,5	21
70	KU 70/12	WOKEC0700001201	KUS 70/12	WOKEZ0700001201	20	200	16,5	12,1	13	23	12,5	13,5	21
70	KU 70/14	WOKEC0700001401	KUS 70/14*	WOKEZ0700001401	20	200	16,5	12,1	15	23	14,5	15,5	21
70	KU 70/16	WOKEC0700001601	KUS 70/16*	WOKEZ0700001601	20	200	16,5	12,1	17	28	17	17	21
95	KU 95/8	WOKEC0950000801	KUS 95/8*	WOKEZ0950000801	20	140	18	13,6	8,5	26	11	11	23,5
95	KU 95/10	WOKEC0950001001	KUS 95/10	WOKEZ0950001001	20	140	18	13,6	11	26	12,5	12,5	23,5
95	KU 95/12	WOKEC0950001201	KUS 95/12	WOKEZ0950001201	20	140	18	13,6	13	26	12,5	13,5	23,5
95	KU 95/14	WOKEC0950001401	KUS 95/14*	WOKEZ0950001401	20	140	18	13,6	15	26	14,5	15,5	23,5
95	KU 95/16	WOKEC0950001601	KUS 95/16*	WOKEZ0950001601	20	140	18	13,6	17	28	17	17	23,5
120	KU 120/8	WOKEC1200000801	KUS 120/8*	WOKEZ1200000801	10	100	19,5	15,1	8,5	29	11	11	26
120	KU 120/10	WOKEC1200001001	KUS 120/10*	WOKEZ1200001001	10	100	19,5	15,1	11	29	12,5	12,5	26
120	KU 120/12	WOKEC1200001201	KUS 120/12	WOKEZ1200001201	10	100	19,5	15,1	13	29	12,5	13,5	26
120	KU 120/14	WOKEC1200001401	KUS 120/14*	WOKEZ1200001401	10	100	19,5	15,1	15	29	14,5	15,5	26
120	KU 120/16	WOKEC1200001601	KUS 120/16*	WOKEZ1200001601	10	100	19,5	15,1	17	30	17	17	26
120	KU 120/20	WOKEC1200002001	KUS 120/20*	WOKEZ1200002001	10	100	19,5	15,1	21	30	20	20	26
150	KU 150/10	WOKEC1500001001	KUS 150/10*	WOKEZ1500001001	10	80	21	16,5	11	31	12,5	12,5	30
150	KU 150/12	WOKEC1500001201	KUS 150/12.*	WOKEZ1500001201	10	80	21	16,5	13	31	12,5	13,5	30
150	KU 150/14	WOKEC1500001401	KUS 150/14*	WOKEZ1500001401	10	80	21	16,5	15	31	15,5	14,5	30
150	KU 150/16	WOKEC1500001601	KUS 150/16*	WOKEZ1500001601	10	80	21	16,5	17	31	17	17	30
150	KU 150/20	WOKEC1500002001	KUS 150/20*	WOKEZ1500002001	10	80	21	16,5	21	36	20	20	30
185	KU 185/10	WOKEC1850001001	KUS 185/10*	WOKEZ1850001001	10	50	24	19	11	35	12,5	12,5	30
185	KU 185/12	WOKEC1850001201	KUS 185/12*	WOKEZ1850001201	10	50	24	19	13	35	12,5	13,5	30
185	KU 185/14	WOKEC1850001401	KUS 185/14*	WOKEZ1850001401	10	50	24	19	15	35	15,5	15,5	30
185	KU 185/16	WOKEC1850001601	KUS 185/16.*	WOKEZ1850001601	10	50	24	19	17	35	17	17	30
185	KU 185/20	WOKEC1850002001	KUS 185/20*	WOKEZ1850002001	10	50	24	19	21	37	20	20	30
240	KU 240/10	WOKEC2400001001	KUS 240/10*	WOKEZ2400001001	10	50	26	21	11	38	13	12,5	35
240	KU 240/12	WOKEC2400001201	KUS 240/12	WOKEZ2400001201	10	50	26	21	13	38	12,5	13,5	35
240	KU 240/14	WOKEC2400001401	KUS 240/14*	WOKEZ2400001401	10	50	26	21	15	38	15	15	35
240	KU 240/16	WOKEC2400001601	KUS 240/16.*	WOKEZ2400001601	10	50	26	21	17	38	17	17	35
240	KU 240/20	WOKEC2400002001	KUS 240/20*	WOKEZ2400002001	10	50	26	21	21	40	20	20	35

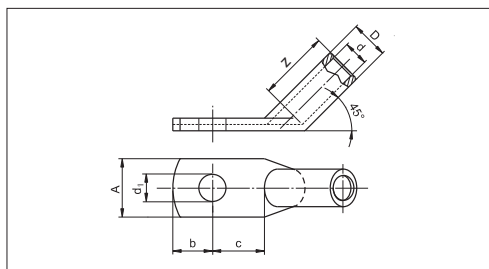
* position offered on request, the price depends on the expected quantities.

Copper cable terminals type KU offered on request, after the expected quantities.

Angular copper cable terminals 45°, acc. to DIN standard, voltage up to 30kV - type DKU, DKUS



DKU - Angular 45° without galvanic coating
DKUS - Angular cable terminals 45°



Application

For termination of round and sector shape copper conductors for voltage up to 30kV. They increase the safety and life of connection.

Assembling

In order to make the durable assembling of terminal, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data

Dimensions of the tubing in accordance with DIN 46235.

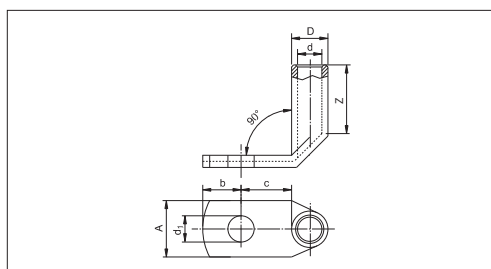
Material: copper pipes and bars of grade Cu-ETP acc. with PN PN-EN 13600, PN-EN 13601.

DKUS terminals have electroplated protective tin coatings.

Core cross sect. [mm ²]	Type of terminals	Index	Type of terminals	Index	Pack. [pcs.]	C. pack. [pcs.]	Dimensions [mm]						
							D	d	d ₁	A	b	c	z
16	DKU 16/6.	WOKFC0160000601	DKUS 16/6.	WOKFZ0160000601	50	800	8,5	5,5	6,5	13	8,5	8	20
16	DKU 16/8	WOKFC0160000801	DKUS 16/8	WOKFZ0160000801	50	800	8,5	5,5	8,5	13	11	10	20
16	DKU 16/10	WOKFC0250000601	DKUS 16/10	WOKFZ0160001001	50	800	8,5	5,5	10,5	17	13	12	20
25	DKU 25/6	WOKFC0250000601	DKUS 25/6	WOKFZ0250000601	50	500	10	7	6,5	14	8,5	8	20
25	DKU 25/8.	WOKFC0250000801	DKUS 25/8.	WOKFZ0250000801	50	500	10	7	8,5	16	11	10	20
25	DKU 25/10	WOKFC0250001001	DKUS 25/10	WOKFZ0250001001	50	500	10	7	10,5	17	13	12	20
25	DKU 25/12	WOKFC0250001201	DKUS 25/12	WOKFZ0250001201	50	500	10	7	13	19	14	13	20
35	DKU 35/8.	WOKFC0350000802	DKUS 35/8.	WOKFZ0350000801	50	300	12,5	8,2	8,5	17	11	10	20
35	DKU 35/10	WOKFC0350001001	DKUS 35/10	WOKFZ0350001001	50	300	12,5	8,2	10,5	19	13	12	20
35	DKU 35/12	WOKFC0350001201	DKUS 35/12	WOKFZ0350001201	50	300	12,5	8,2	13	21	14	13	20
50	DKU 50/8	WOKFC0500000801	DKUS 50/8	WOKFZ0500000801	20	240	14,5	10	8,5	20	11	10	28
50	DKU 50/10.	WOKFC0500001001	DKUS 50/10.	WOKFZ0500001001	20	240	14,5	10	10,5	22	13	12	28
50	DKU 50/12	WOKFC0500001201	DKUS 50/12	WOKFZ0500001201	20	240	14,5	10	13	24	14	13	28
70	DKU 70/8	WOKFC0700000801	DKUS 70/8	WOKFZ0700000801	20	200	16,5	11,5	8,5	24	11	10	28
70	DKU 70/10.	WOKFC0700001001	DKUS 70/10.	WOKFZ0700001001	20	200	16,5	11,5	10,5	24	13	12	28
70	DKU 70/12	WOKFC0700001201	DKUS 70/12	WOKFZ0700001201	20	200	16,5	11,5	13	24	14	13	28
95	DKU 95/8	WOKFC0950000801	DKUS 95/8	WOKFZ0950000801	20	140	19	13,5	8,5	28	11	10	35
95	DKU 95/10.	WOKFC0950001001	DKUS 95/10.	WOKFZ0950001001	20	140	19	13,5	10,5	28	13	12	35
95	DKU 95/12	WOKFC0950001201	DKUS 95/12	WOKFZ0950001201	20	140	19	13,5	13	28	14	13	35
120	DKU 120/10	WOKFC1200001001	DKUS 120/10	WOKFZ1200001001	20	100	21	15,5	10,5	32	13	12	35
120	DKU 120/12.	WOKFC1200001201	DKUS 120/12.	WOKFZ1200001201	10	100	21	15,5	13	32	14	13	35
150	DKU 150/10	WOKFC1500001001	DKUS 150/10	WOKFZ1500001001	10	80	23,5	17	10,5	34	13	12	35
150	DKU 150/12.	WOKFC1500001201	DKUS 150/12.	WOKFZ1500001201	10	80	23,5	17	13	34	14	13	35
150	DKU 150/16	WOKFC1500001601	DKUS 150/16	WOKFZ1500001601	10	80	23,5	17	17	34	17	16	35
185	DKU 185/10	WOKFC1850001001	DKUS 185/10	WOKFZ1850001001	10	50	25,5	19	10,5	37	13	12	40
185	DKU 185/12	WOKFC1850001201	DKUS 185/12	WOKFZ1850001201	10	50	25,5	19	13	37	14	13	40
185	DKU 185/16	WOKFC1850001601	DKUS 185/16	WOKFZ1850001601	10	50	25,5	19	17	37	17	16	40
240	DKU 240/10	WOKFC2400001001	DKUS 240/10	WOKFZ2400001001	10	50	29	21,5	10,5	42	14	13	40
240	DKU 240/12	WOKFC2400001201	DKUS 240/12	WOKFZ2400001201	10	50	29	21,5	13	42	14	13	40
240	DKU 240/16.	WOKFC2400001601	DKUS 240/16.	WOKFZ2400001601	10	50	29	21,5	17	42	17	16	40

Copper cable terminals type DKU, DKUS offered on request, after the expected quantities.

Angular copper cable terminals 90°, voltage up to 30kV, acc. to DIN standard - type DKP, DKPS



DKP - Angular 90°, acc. to DIN standard without galvanic coating
DKPS - Tinned angular 90°, acc. to DIN standard

Application

For termination of round and sector shape copper conductors for voltage up to 30kV.
They increase the safety and life of connection.

Assembling

In order to make the durable assembling of terminal, it should be pressed by using the suitable press
(in case of sector cores - the core should be first formed round).

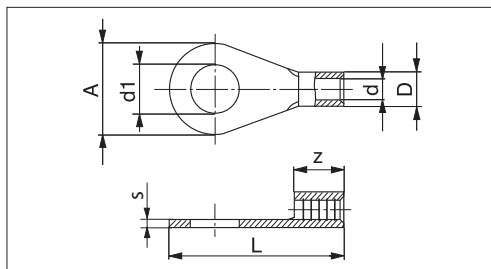
Technical data

Dimensions of the tubing in accordance with DIN 46235.
Material: copper pipes of grade Cu-ETP acc. with PN PN-EN 13600, PN-EN 13601.
DKPS terminals have electroplated protective tin coatings.

Core cross sect. [mm ²]	Type of terminals	Index	Type of terminals	Index	Pack. [pcs.]	C. pac. [pcs.]	Dimensions [mm]						
							D	d	d ₁	A	b	c	z
16	DKP 16/6.	WOKGC0160000601	DKPS 16/6.	WOKGZ0160000601	50	800	8,5	5,5	6,5	13	8,5	8	20
16	DKP 16/8	WOKGC0160000801	DKPS 16/8	WOKGZ0160000801	50	800	8,5	5,5	8,5	13	11	10	20
16	DKP 16/10	WOKGC0160001001	DKPS 16/10	WOKGZ0160001001	50	800	8,5	5,5	10,5	17	13	12	20
25	DKP 25/6	WOKGC0250000601	DKPS 25/6	WOKGZ0250000601	50	500	10	7	6,5	14	8,5	8	20
25	DKP 25/8.	WOKGC0250000801	DKPS 25/8.	WOKGZ0250000801	50	500	10	7	8,5	16	11	10	20
25	DKP 25/10	WOKGC0250001001	DKPS 25/10	WOKGZ0250001001	50	500	10	7	10,5	17	13	12	20
25	DKP 25/12	WOKGC0250001201	DKPS 25/12	WOKGZ0250001201	50	500	10	7	13	19	14	13	20
35	DKP 35/8.	WOKGC0350000801	DKPS 35/8.	WOKGZ0350000801	50	300	12,5	8,2	8,5	17	11	10	20
35	DKP 35/10	WOKGC0350001001	DKPS 35/10	WOKGZ0350001001	50	300	12,5	8,2	10,5	19	13	12	20
35	DKP 35/12	WOKGC0350001201	DKPS 35/12	WOKGZ0350001201	50	300	12,5	8,2	13	21	14	13	20
50	DKP 50/8	WOKGC0500000801	DKPS 50/8	WOKGZ0500000801	20	240	14,5	10	8,5	20	11	10	28
50	DKP 50/10.	WOKGC0500001001	DKPS 50/10.	WOKGZ0500001001	20	240	14,5	10	10,5	22	13	12	28
50	DKP 50/12	WOKGC0500001201	DKPS 50/12	WOKGZ0500001201	20	240	14,5	10	13	24	14	13	28
70	DKP 70/8	WOKGC0700000801	DKPS 70/8	WOKGZ0700000801	20	200	16,5	11,5	8,5	24	11	10	28
70	DKP 70/10.	WOKGC0700001001	DKPS 70/10.	WOKGZ0700001001	20	200	16,5	11,5	10,5	24	13	12	28
70	DKP 70/12	WOKGC0700001201	DKPS 70/12	WOKGZ0700001201	20	200	16,5	11,5	13	24	14	13	28
95	DKP 95/8	WOKGC0950000801	DKPS 95/8	WOKGZ0950000801	20	140	19	13,5	8,5	28	11	10	35
95	DKP 95/10.	WOKGC0950001001	DKPS 95/10.	WOKGZ0950001001	20	140	19	13,5	10,5	28	13	12	35
95	DKP 95/12	WOKGC0950001201	DKPS 95/12	WOKGZ0950001201	20	140	19	13,5	13	28	14	13	35
120	DKP 120/10	WOKGC1200001001	DKPS 120/10	WOKGZ1200001001	10	100	21	15,5	10,5	32	13	12	35
120	DKP 120/12.	WOKGC1200001201	DKPS 120/12.	WOKGZ1200001201	10	100	21	15,5	13	32	14	13	35
120	DKP 120/16	WOKGC1200001601	DKPS 120/16	WOKGZ1200001601	10	100	21	15,5	17	32	17	16	35
120	DKP 120/20	WOKGC1200002001	DKPS 120/20	WOKGZ1200002001	10	100	21	15,5	21	38	20	20	35
150	DKP 150/10	WOKGC1500001001	DKPS 150/10	WOKGZ1500001001	10	80	23,5	17	10,5	34	13	12	35
150	DKP 150/12.	WOKGC1500001201	DKPS 150/12.	WOKGZ1500001201	10	80	23,5	17	13	34	14	13	35
150	DKP 150/16	WOKGC1500001601	DKPS 150/16	WOKGZ1500001601	10	80	23,5	17	17	34	17	16	35
185	DKP 185/10	WOKGC1850001001	DKPS 185/10	WOKGZ1850001001	10	50	25,5	19	10,5	37	13	12	40
185	DKP 185/12	WOKGC1850001201	DKPS 185/12	WOKGZ1850001201	10	50	25,5	19	13	37	14	13	40
185	DKP 185/16.	WOKGC1850001601	DKPS 185/16.	WOKGZ1850001601	10	50	25,5	19	17	37	17	16	40
240	DKP 240/10	WOKGC2400001001	DKPS 240/10	WOKGZ2400001001	10	50	29	21,5	10,5	42	14	13	40
240	DKP 240/12	WOKGC2400001201	DKPS 240/12	WOKGZ2400001201	10	50	29	21,5	13	42	14	13	40
240	DKP 240/16.	WOKGC2400001601	DKPS 240/16.	WOKGZ2400001601	10	50	29	21,5	17	42	17	16	40

Copper cable terminals type DKP, DKPS offered on request, after the expected quantities.

Tinned and soldered ring terminals - type LZ



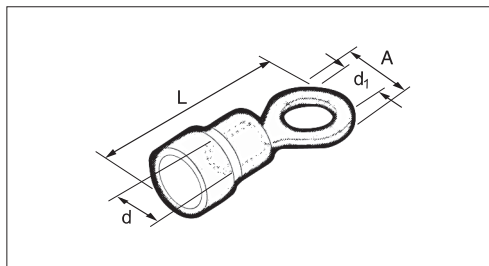
Application For termination copper conductors for voltage up to 1kV.
They increase the safety and durability of the connection.

Assembling To permanently fix the end, it should be pressed using properly selected press jaws.

Technical data Material: Copper plate, tinned-plated.

Core cross section [mm ²]	Type of terminals	Index	Packing [pcs.]	C. pac. [pcs.]	Dimensions [mm]						
					D	d	d ₁	s	z	L	A
0,5 ÷ 1,5	LZ 1 / 4	TOKMZ0010000401	100	10	3,4	1,7	4,3	0,8	4,5	14,4	6,5
0,5 ÷ 1,5	LZ 1 / 5	TOKMZ0010000501	100	10	3,4	1,7	5,3	0,8	5,0	18,3	10
1,5 ÷ 2,5	LZ 2,5 / 3	TOKMZ0020000301	100	10	4	2,3	3,2	0,8	4,8	16,8	8,5
1,5 ÷ 2,5	LZ 2,5 / 4	TOKMZ0020000401	100	10	4	2,3	4,3	0,8	4,8	16,8	8,5
1,5 ÷ 2,5	LZ 2,5 / 5	TOKMZ0020000501	100	10	4	2,3	5,3	0,8	4,8	16,8	9,5
1,5 ÷ 2,5	LZ 2,5 / 6	TOKMZ0020000601	100	10	4	2,3	6,4	0,8	4,8	21,8	12
1,5 ÷ 2,5	LZ 2,5 / 8	TOKMZ0020000801	100	10	4	2,3	8,4	0,8	4,8	21,8	12
1,5 ÷ 2,5	LZ 2,5 / 10	TOKMZ0020001001	100	10	4	2,3	10,5	0,8	4,8	25,4	13,6
4 ÷ 6	LZ 6 / 4	TOKMZ0060000401	100	10	5,6	3,5	4,3	1	6,8	19,8	9,5
4 ÷ 6	LZ 6 / 5	TOKMZ0060000501	100	10	5,6	3,5	5,3	1	6,8	19,8	9,5
4 ÷ 6	LZ 6 / 6	TOKMZ0060000601	100	10	5,6	3,5	6,4	1	6,8	25,8	12
4 ÷ 6	LZ 6 / 8	TOKMZ0060000801	100	10	5,6	3,5	8,4	1	6,8	28	15
10	LZ 10 / 5	TOKMZ0100000501	100	5	7	4,5	5,3	1,1	8	21	10
10	LZ 10 / 6	TOKMZ0100000601	100	5	7	4,5	6,4	1,1	8	22,5	10,8
10	LZ 10 / 8	TOKMZ0100000801	100	5	7	4,5	8,4	1,1	8	27	14
16	LZ 16 / 6	TOKMZ0160000601	100	5	8,5	5,8	6,4	1,2	11	25,5	11
16	LZ 16 / 8	TOKMZ0160000801	100	5	8,5	5,8	8,4	1,2	11	31	14
16	LZ 16 / 12	TOKMZ0160001201	100	5	8,5	5,8	12,5	1,2	11	37	22
25	LZ 25 / 6	TOKMZ0250000601	100	5	11	7,5	6,4	1,5	11	31	12
25	LZ 25 / 8	TOKMZ0250000801	100	5	11	7,5	8,4	1,5	11	34	16
25	LZ 25 / 10	TOKMZ0250001001	100	5	11	7,5	10,5	1,5	11	35	18
35	LZ 35 / 8	TOKMZ0350000801	100	5	12,2	9	8,4	1,6	12	34	16
35	LZ 35 / 10	TOKMZ0350001001	100	5	12,2	9	10,5	1,6	12	36	15,5
35	LZ 35 / 12	TOKMZ0350001201	100	5	12,2	9	12,5	1,6	12	42	22

Insulated tinned ring terminals - type LI

**Application**

For termination copper conductors.
They increase the safety and durability of the connection.

Assembling

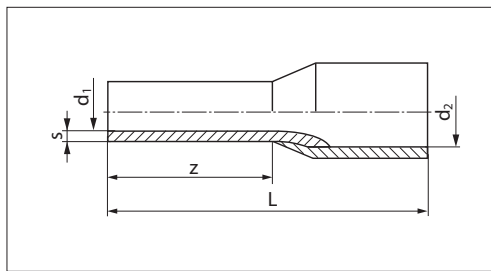
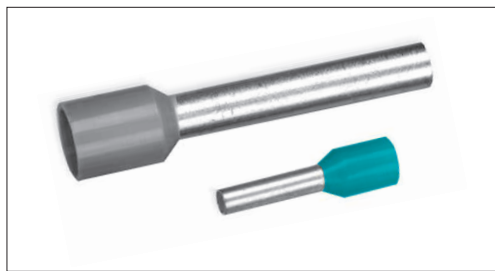
To permanently fix the end, it should be pressed using properly selected press jaws.

Technical data

Material: Copper plate, tinned-plated.
For sections up to 6 mm² PVC insulation, up to 500V, permissible working temperature 70°C.
For cross-sections from 10 mm², polyamide and polycarbonate insulation, permissible working temperature 105°C.

Core cross section [mm ²]	Type of terminals	Index	Packing [pcs.]	C. pac. [pcs.]	Dimensions [mm]				Insulation colour
					d	d ₁	L	A	
0,5 ÷ 1,5	LI 1 / 3	TOKMJ0010000301	100	10	1,6	3,3	19,0	6,0	red
0,5 ÷ 1,5	LI 1 / 4	TOKMJ0010000401	100	10	1,6	4,3	21,0	8,0	red
0,5 ÷ 1,5	LI 1 / 5	TOKMJ0010000501	100	10	1,6	5,3	23,0	10,0	red
0,5 ÷ 1,5	LI 1 / 6	TOKMJ0010000601	100	10	1,6	6,4	23,0	10,0	red
0,5 ÷ 1,5	LI 1 / 8	TOKMJ0010000801	100	10	1,6	8,4	29,0	14,0	red
0,5 ÷ 1,5	LI 1 / 10	TOKMJ0010001001	100	10	1,6	10,5	29,0	14,0	red
1,5 ÷ 2,5	LI 2,5 / 3	TOKMJ0020000301	100	10	2,3	3,2	19,0	6,0	blue
1,5 ÷ 2,5	LI 2,5 / 4	TOKMJ0020000401	100	10	2,3	4,3	21,0	8,0	blue
1,5 ÷ 2,5	LI 2,5 / 5	TOKMJ0020000501	100	10	2,3	5,3	24,0	10,0	blue
1,5 ÷ 2,5	LI 2,5 / 6	TOKMJ0020000601	100	10	2,3	6,4	26,5	11,0	blue
1,5 ÷ 2,5	LI 2,5 / 8	TOKMJ0020000801	100	10	2,3	8,4	29,0	14,0	blue
1,5 ÷ 2,5	LI 2,5 / 10	TOKMJ0020001001	100	10	2,3	10,5	29,5	15,0	blue
1,5 ÷ 2,5	LI 2,5 / 12	TOKMJ0020001201	100	10	2,3	13,0	34,0	18,0	blue
4 ÷ 6	LI 6 / 3	TOKMJ0060000301	100	10	3,6	3,3	25,0	6,0	yellow
4 ÷ 6	LI 6 / 4	TOKMJ0060000401	100	10	3,6	4,3	25,0	8,0	yellow
4 ÷ 6	LI 6 / 5	TOKMJ0060000501	100	10	3,6	5,3	27,0	10,0	yellow
4 ÷ 6	LI 6 / 6	TOKMJ0060000601	100	10	3,6	6,4	28,5	11,0	yellow
4 ÷ 6	LI 6 / 8	TOKMJ0060000801	100	10	3,6	8,4	33,0	14,0	yellow
4 ÷ 6	LI 6 / 10	TOKMJ0060001001	100	10	3,6	10,5	37,0	18,0	yellow
4 ÷ 6	LI 6 / 12	TOKMJ0060001201	100	10	3,6	13,0	37,0	18,0	yellow
10	LI 10 / 6	TOKMJ0100000601	100	10	4,5	6,4	31,0	11,0	red
10	LI 10 / 8	TOKMJ0100000801	100	10	4,5	8,4	35,5	14,0	red
10	LI 10 / 10	TOKMJ0100001001	100	10	4,5	10,5	38,5	18,0	red
10	LI 10 / 12	TOKMJ0100001201	100	10	4,5	13,0	42,5	22,0	red
16	LI 16 / 6	TOKMJ0160000601	100	5	5,8	6,4	37,0	11,0	blue
16	LI 16 / 8	TOKMJ0160000801	100	5	5,8	8,4	40,5	14,0	blue
16	LI 16 / 10	TOKMJ0160001001	100	5	5,8	10,5	44,5	18,0	blue
16	LI 16 / 12	TOKMJ0160001201	100	5	5,8	13,0	48,5	22,0	blue
25	LI 25 / 8	TOKMJ0250000801	100	5	7,5	8,4	46,0	16,0	yellow
25	LI 25 / 10	TOKMJ0250001001	100	5	7,5	10,5	48,0	18,0	yellow
35	LI 35 / 8	TOKMJ0350000801	100	5	9,0	8,4	49,0	16,0	red
35	LI 35 / 10	TOKMJ0350001001	100	5	9,0	10,5	51,0	18,0	red

Tinned sleeving terminals, insulated - type AI



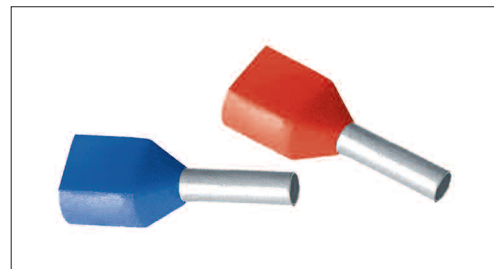
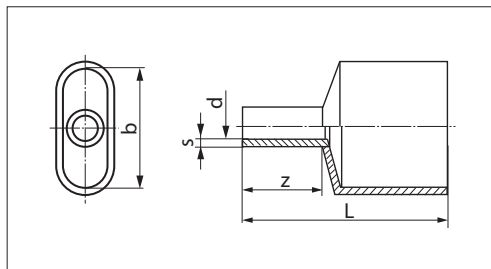
Application For termination of multi-stranded copper cables in order to protect wires and improve power characteristics of contact points. They increase the safety and durability of the connection.

Assembling In order to make the durable assembling of terminal, it should be pressed by using the suitable press.

Technical data Material: Made according to DIN 46228 standard, part 4.
Copper tubes, tinned-plated, polyamide isolation.

Core cross section [mm ²]	Type of terminals	Type of terminals	Packing [pcs.]	Multipack [set]	Dimensions [mm]					Insulation colour
					s	d ₁	d ₂	z	L	
0,25	AI 0,25-6	TOKRJ00000000602	100	10	0,15	0,75	1,9	6	10	yellow
0,25	AI 0,25-8	TOKRJ00000000802	100	10	0,15	0,75	1,9	8	12	yellow
0,34	AI 0,34-6	TOKRJ00000000603	100	10	0,15	0,8	1,9	6	10	turquoise
0,34	AI 0,34-8	TOKRJ00000000803	100	10	0,15	0,8	1,9	8	12	turquoise
0,5	AI 0,5-6	TOKRJ00000000604	100	10	0,15	1	2,6	6	12	white
0,5	AI 0,5-8	TOKRJ00000000804	100	10	0,15	1	2,6	8	14	white
0,5	AI 0,5-10	TOKRJ00000001004	100	10	0,15	1	2,6	10	16	white
0,75	AI 0,75-6	TOKRJ00000000605	100	10	0,15	1,2	2,8	6	12	gray
0,75	AI 0,75-8	TOKRJ00000000805	100	10	0,15	1,2	2,8	8	14	gray
0,75	AI 0,75-10	TOKRJ00000001005	100	10	0,15	1,2	2,8	10	16	gray
0,75	AI 0,75-12	TOKRJ00000001205	100	10	0,15	1,2	2,8	12	18	gray
1	AI 1-6	TOKRJ00100000601	100	10	0,15	1,4	3	6	12	red
1	AI 1-8	TOKRJ00100000801	100	10	0,15	1,4	3	8	14	red
1	AI 1-10	TOKRJ00100001001	100	10	0,15	1,4	3	10	16	red
1	AI 1-12	TOKRJ00100001201	100	10	0,15	1,4	3	12	18	red
1,5	AI 1,5-8	TOKRJ00100000802	100	10	0,15	1,7	3,5	8	14	black
1,5	AI 1,5-10	TOKRJ00100001002	100	10	0,15	1,7	3,5	10	16	black
1,5	AI 1,5-12	TOKRJ00100001202	100	10	0,15	1,7	3,5	12	18	black
1,5	AI 1,5-18	TOKRJ00100001802	100	10	0,15	1,7	3,5	18	24	black
2,5	AI 2,5-8	TOKRJ00200000801	100	10	0,15	2,2	4,2	8	14	blue
2,5	AI 2,5-10	TOKRJ00200001001	100	10	0,15	2,2	4,2	10	16	blue
2,5	AI 2,5-12	TOKRJ00200001201	100	10	0,15	2,2	4,2	12	18	blue
2,5	AI 2,5-18	TOKRJ00200001801	100	10	0,15	2,2	4,2	18	24	blue
4	AI 4 - 10	TOKRJ00400001001	100	10	0,2	2,8	4,8	10	17	gray
4	AI 4 - 12	TOKRJ00400001201	100	10	0,2	2,8	4,8	12	20	gray
4	AI 4 - 18	TOKRJ00400001801	100	10	0,2	2,8	4,8	18	26	gray
6	AI 6 - 12	TOKRJ00600001201	100	10	0,2	3,5	6,3	12	20	yellow
6	AI 6 - 18	TOKRJ00600001801	100	10	0,2	3,5	6,3	18	26	yellow
10	AI 10 - 12	TOKRJ01000001201	100	10	0,2	4,5	7,6	12	22	red
10	AI 10 - 18	TOKRJ01000001801	100	10	0,2	4,5	7,6	18	28	red
16	AI 16 - 12	TOKRJ01600001201	100	10	0,2	5,8	8,8	12	24	blue
16	AI 16 - 18	TOKRJ01600001801	100	10	0,2	5,8	8,8	18	28	blue
25	AI 25 - 16	TOKRJ02500001601	100	10	0,2	7,5	11,2	16	30	yellow
25	AI 25 - 22	TOKRJ02500002201	100	10	0,2	7,5	11,2	22	36	yellow
35	AI 35 - 16	TOKRJ03500001601	50	10	0,2	8,3	12,7	16	30	red
35	AI 35 - 18	TOKRJ03500001801	50	10	0,2	8,3	12,7	18	32	red
35	AI 35 - 25	TOKRJ03500002501	50	10	0,2	8,3	12,7	25	39	red
50	AI 50 - 20	TOKRJ05000002001	50	10	0,3	10,3	15	20	36	blue
70	AI 70 - 20	TOKRJ07000002001	50	10	0,4	13,5	16	20	37	yellow
95	AI 95 - 25	TOKRJ09500002501	25	10	0,4	14,8	18,5	25	44	red
120	AI 120 - 27	TOKRJ12000002701	25	10	0,5	16,7	20,3	27	48	blue
150	AI 150 - 32	TOKRJ15000003201	25	10	0,5	19,6	23,4	32	58	yellow

Tinned double sleeving terminals, insulated - type AI 2x



Application For pairing and crimping two multicore copper cables simultaneously.
Provides protection for cores and enhances contact performance.

Assembling To secure permanently, press with an appropriate crimping pliers.

Technical data Material: Copper pipes, tinned galvanized, polyamide insulated.

Core cross section [mm²]	Type of terminals	Index	Packing [pcs.]	C. pac. [pcs.]	Dimensions [mm]					Insulation colour
					s	d	b	z	L	
0,5	AI 2x 0,5 - 8	TOKSJ00000000804	100	10	0,15	1,5	5	8	14,5	white
0,75	AI 2x 0,75 - 8	TOKSJ00000000805	100	10	0,15	1,8	5,5	8	14,7	gray
0,75	AI 2x 0,75 - 10	TOKSJ00000001005	100	10	0,15	1,8	5,5	10	16,7	gray
1	AI 2x 1 - 8	TOKSJ0010000801	100	10	0,15	2,1	5,5	8	15,1	red
1	AI 2x 1 - 10	TOKSJ0010001001	100	10	0,15	2,1	5,5	10	17,1	red
1,5	AI 2x 1,5 - 8	TOKSJ0010000802	100	10	0,15	2,3	6,5	8	15,5	black
1,5	AI 2x 1,5 - 12	TOKSJ0010001202	100	10	0,15	2,3	6,5	12	19,5	black
2,5	AI 2x 2,5 - 10	TOKSJ0020001001	100	10	0,2	2,9	8,0	10	18,5	blue
2,5	AI 2x 2,5 - 13	TOKSJ0020001301	100	10	0,2	2,9	8,0	13	21,5	blue
4	AI 2x 4 - 12	TOKSJ0040001201	100	10	0,2	3,8	8,6	12	23,1	gray
6	AI 2x 6 - 14	TOKSJ0060001401	100	10	0,2	4,9	9,5	14	26,1	yellow
10	AI 2x 10 - 14	TOKSJ0100001401	100	10	0,2	6,5	12,6	14	26,6	red
16	AI 2x 16 - 14	TOKSJ0160001401	100	10	0,2	8,3	19,0	14	31,3	blue

Ferrule Kit



ZDM 6 Kit

Organizer 120 x 100 x 30 mm

Cable ferrules insulated

Al 0,5-8 (100 items)

Al 0,75-8 (100 items)

Al 1-8 (100 items)

Al 1,5-8 (100 items)

Al 2,5-8 (100 items)

Al 4-10 (100 items)



Zestaw ZDM 7

Organizer 195 x 155 x 35 mm

Cable ferrules insulated

Al 0,5-8 (100 items)

Al 0,75-8 (100 items)

Al 1-8 (100 items)

Al 1,5-8 (100 items)

Al 2,5-8 (100 items)

Al 4-10 (100 items)

Al 6-12 (100 items)

Al 10-12 (100 items)



ZDM 8 Kit

Organizer 195 x 155 x 35 mm

Cable ferrules insulated

Al 2x 1,5-8 (100 items)

Al 2x 2,5-10 (100 items)

Al 2x 4-12 (100 items)

Al 2x 6-14 (100 items)



ZDM 9 Kit

Organizer 250 x 205 x 40 mm

Cable ferrules insulated

Al 0,75-8 (100 items)

Al 1-8 (100 items)

Al 1,5-8 (100 items)

Al 2,5-8 (100 items)

Al 4-10 (100 items)

Al 6-12 (100 items)

Al 2x 0,75-8 (100 items)

Al 2x 1-8 (100 items)

Al 2x 1,5-8 (100 items)

Al 2x 2,5-10 (100 items)

Al 2x 4-12 (100 items)

Al 2x 6-14 (100 items)



ZDM 10 Kit

Organizer 345 x 245 x 60 mm

Cable lugs insulated

LI 1/4 (100 items)

LI 1/5 (100 items)

LI 1/6 (100 items)

LI 2,5/4 (100 items)

LI 2,5/5 (100 items)

LI 2,5/6 (100 items)

LI 6/5 (100 items)

LI 6/6 (100 items)

LI 6/8 (100 items)

Cable ties CT 300-3.6 (100 items)

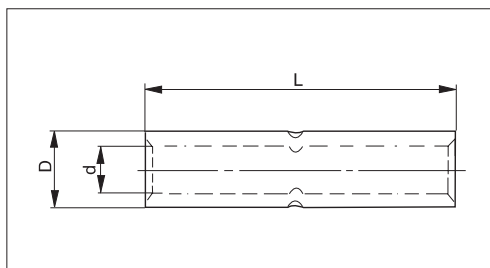
Insulating tape AR 19/10-C



Kit includes the most often used cable lugs and ferrules. Locked case with specially designed compartment for easy selection. The box may be hung on a hook.

ZDM 6, ZDM 7, ZDM 8 and **ZDM 9** kit is provided with a fastener and **ZDM 10** with an adjustable handle.

Copper cable ferrules - type Z, ZS



Z - without galvanic coating ZS - tinned

Application

For the termination of round copper cores and sector - shaped conductors, voltage up to 1KV. They increase the safety and life of connection.

Assembling

In order to make the durable assembling of ferrule, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data

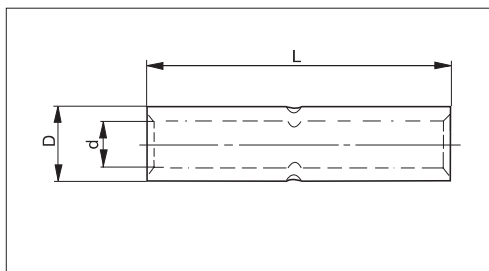
Material: Cu-ETP copper pipes according to PN-EN 13600, PN-EN 13601.
ZS ferrules have a tin-plated protective coating.

Core cross section [mm ²]	Type of ferrules	Index	Type of ferrules	Index	Packing [pcs.]	Cumulative packing [pcs.]	Dimensions [mm]		
D	d	L							
0,5 ÷ 1,5			ZS 1	TOZAZ0010000001	100	1000	3,7	1,8	16
1,5 ÷ 2,5	Z 2,5	TOZAC0020000001	ZS 2,5	TOZAZ0020000001	100	1000	4,0	2,4	15
4	Z 4	TOZAC0040000001	ZS 4	TOZAZ0040000001	100	1000	4,5	2,9	20
6	Z 6	TOZAC0060000001	ZS 6	TOZAZ0060000001	100	1000	5,9	4,0	25
10	Z 10	TOZAC0100000001	ZS 10	TOZAZ0100000001	100	500	6,6	4,5	30
16	Z 16	WOZAC0160000001	ZS 16	WOZAZ0160000001	50	1400	8,5	5,5	29
25	Z 25	WOZAC0250000001	ZS 25	WOZAZ0250000001	50	800	10,0	7,0	33
35	Z 35	WOZAC0350000001	ZS 35	WOZAZ0350000001	50	600	12,0	8,5	39
50	Z 50	WOZAC0500000001	ZS 50	WOZAZ0500000001	20	400	14,0	10,0	45
70	Z 70	WOZAC0700000001	ZS 70	WOZAZ0700000001	20	300	16,5	12,1	47
95	Z 95	WOZAC0950000001	ZS 95	WOZAZ0950000001	20	220	18,0	13,6	53
120	Z 120	WOZAC1200000001	ZS 120	WOZAZ1200000001	10	140	19,5	15,1	64
150	Z 150	WOZAC1500000001	ZS 150	WOZAZ1500000001	10	120	21,0	16,5	68
185	Z 185	WOZAC1850000001	ZS 185	WOZAZ1850000001	10	100	24,0	19,0	75
240	Z 240	WOZAC2400000001	ZS 240	WOZAZ2400000001	10	60	26,0	21,0	85
300	Z 300	WOZAC3000000001	ZS 300	WOZAZ3000000001	1	50	30,0	24,0	100

Copper cable ferrules acc. to DIN standard - type DZ, DZS



DZ - acc. to DIN standard without galvanic coating
DZS - tinned, acc. to DIN standard

**Application**

For the termination of round copper cores and sector - shaped conductors, voltage up to 10kV.
They increase the safety and life of connection.

Assembling

In order to make the durable assembling of ferrule, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data

Diameters according to DIN 46267 part 1.

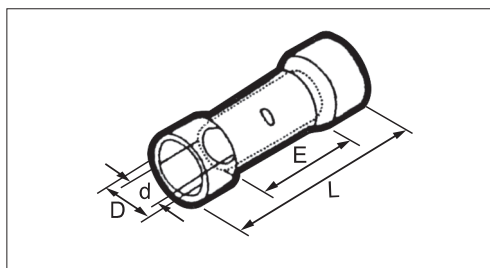
Material: Copper rods in Cu-ETP grade according to EN 13600, PN-EN 13601.

DZS ferrules have a tin-plated protective coating.

Core cross section [mm ²]	Type of ferrules	Index	Type of ferrules	Index	Packing [pcs.]	Cumulative packing [pcs.]	Dimensions [mm]		
							D	d	L
16	DZ 16	WOZCC0160000001	DZS 16	WOZCZ0160000001	50	800	8,5	5,5	50
25	DZ 25	WOZCC0250000001	DZS 25	WOZCZ0250000001	50	600	10,0	7,0	50
35	DZ 35	WOZCC0350000001	DZS 35	WOZCZ0350000001	50	400	12,5	8,2	50
50	DZ 50	WOZCC0500000001	DZS 50	WOZCZ0500000001	20	300	14,5	10,0	56
70	DZ 70*	WOZCC0700000001	DZS 70	WOZCZ0700000001	20	220	16,5	11,5	56
95	DZ 95*	WOZCC0950000001	DZS 95	WOZCZ0950000001	20	140	19,0	13,5	70
120	DZ 120*	WOZCC1200000001	DZS 120	WOZCZ1200000001	10	120	21,0	15,5	70
150	DZ 150*	WOZCC1500000001	DZS 150	WOZCZ1500000001	10	100	23,5	17,0	80
185	DZ 185*	WOZCC1850000001	DZS 185	WOZCZ1850000001	10	60	25,5	19,0	85
240	DZ 240*	WOZCC2400000001	DZS 240	WOZCZ2400000001	10	50	29,0	21,5	90
300	DZ 300*	WOZCC3000000001	DZS 300	WOZCZ3000000001	4	12	32,0	24,5	100
400	DZ 400*	WOZCC4000000001	DZS 400	WOZCZ4000000001	4	12	38,5	27,5	150
500	DZ 500*	WOZCC5000000001	DZS 500	WOZCZ5000000001	4	12	42,0	31,0	160
625	DZ 625*	WOZCC6250000001	DZS 625	WOZCZ6250000001	4	12	44,0	34,5	160

* position offered on request, the price depends on the expected quantities.

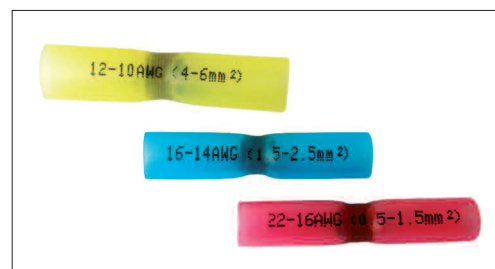
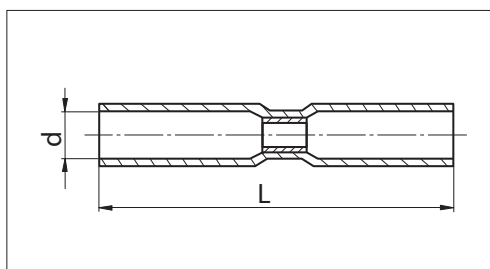
Copper butt connectors with shrinkable insulation with adhesive - type ZKIT



Application	For connecting copper conductors exposed to moisture, popular home applications, e.g. doorbell, alarm systems. They increase safety and durability of the connection and assure proper insulation.								
Assembling	To mount the connector permanently, it is necessary to press it by means of the press with jaws intended for connectors with heat-shrink insulation (with non-sharp edges). The press must have a proper pressure force so that there is a minimum space which is supposed to secure the connector insulation against damage at the last stage. After pressing, shrink the insulation of connectors by means of the heater or a soft flame.								
Technical data	Galvanic copper pipes, heat-shrink insulation with glue.								

Core cross section input	Type of ferrules	Index	Packing [pcs.]	Cumulative packing [pcs.]	Dimensions [mm]				Insulation colour
					D	d	L	E	
0,5 ÷ 1,5	ZKIT 1,5	TOZAK0010000001	100	50	4,5	1,7	35,0	15	red
1,5 ÷ 2,5	ZKIT 2,5	TOZAK0020000001	100	50	5,5	2,3	37,0	15	blue
4 ÷ 6	ZKIT 6	TOZAK0060000001	100	50	6,5	3,4	41,0	15	yellow

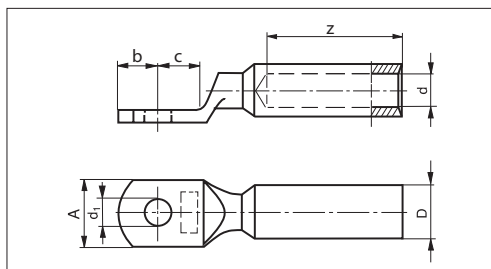
Copper cable ferrule with tin and heat-shrinkable insulation with adhesive - type ZKIC



Application	For connecting copper conductors exposed to moisture, popular home application, e.g. doorbell or alarm systems. The increase safety and durability of the connection, assure proper insulation and fast assembly without the use of a press.								
Assembling	After isolating ends of conductors at the length of about 10mm, it is necessary to place them in parallel next to one another inside the central part with tin which solders them after heating. Next, shrink it by means of the heater or soft flame, at the beginning heat the central part carefully and move to ends of the connector.								
Technical data	Soldering tin, heat-shrink insulation with glue. Working temperature: -30 ÷ 105°C. Rated voltage 600 V.								

Core cross section [mm²]	Type of ferrules	Index	Packing [pcs.]	Dimensions [mm]		Insulation colour
				d	L	
0,2 ÷ 0,5	ZKIC 0,5	TOZAM0000000051	100	2,5	25	colorless
0,5 ÷ 1,5	ZKIC 1,5	TOZAM0000000151	100	4,2	37	red
1,5 ÷ 2,5	ZKIC 2,5	TOZAM0000000251	100	4,7	37	blue
4 ÷ 6	ZKIC 6	TOZAM0000000602	100	6,0	42	yellow

Aluminum-copper cable terminals, for voltages up to 30 kV, leakproof, acc. to DIN standard - type DKAMP



Application

Aluminum-copper cable terminals are used for termination of aluminum conductors (round and sector - shaped conductors) for the purpose to connect them to copper bars. They increase the safety and life of connection thanks to the elimination of disadvantageous contact of aluminum with copper, using the friction method in the both metals connection.

Assembling

In order to make the durable assembling of terminal, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).

Technical data

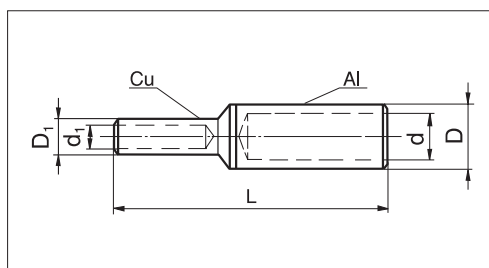
Accordance with DIN 46 329 standard concerns only the tubular parts of the terminals. Cable terminals are made of aluminum bars in the recrystallizing condition of EN AW-1050 A grade PN-EN 573-3 and of copper bars in grade Cu-ETP acc. with PN-EN 13601. Special contact paste applied inside terminals acc. to DIN standards improve the quality of the connection. For the assurance of suitable plasticity of contact paste, the terminals are packed separately one piece in one folie sack.

Core cross sect. [mm ²]	Type of terminals	Index	Packing [pcs.]	Cumulative packing [pcs.]	Dimensions [mm]							
rm, sm	se				D	d	d ₁	A	b	c	z	
16	25	DKAMP 16/6.	WOKDD0160000601	4	48	12	5,6	6,5	13	8,5	8	30
25	35	DKAMP 25/8.*	WOKDD0250000801	4	48	12	6,8	8,5	16	11	10	30
35	50	DKAMP 35/10.*	WOKDD0350001001	4	48	14	8	10,5	19	13	12	42
35	50	DKAMP 35/12*	WOKDD0350001201	4	48	14	8	13	21	14	13	42
50	70	DKAMP 50/10.*	WOKDD0500001001	4	20	16	9,8	10,5	22	13	12	42
50	70	DKAMP 50/12	WOKDD0500001201	4	20	16	9,8	13	24	14	13	42
70	95	DKAMP 70/10*	WOKDD0700001001	4	20	18,5	11,2	10,5	24	13	12	52
70	95	DKAMP 70/12.	WOKDD0700001201	4	20	18,5	11,2	13	24	14	13	52
70	95	DKAMP 70/16*	WOKDD0700001601	4	20	18,5	11,2	17	30	17	16	52
95	120	DKAMP 95/10	WOKDD0950001001	4	20	22	13,2	10,5	28	13	12	56
95	120	DKAMP 95/12.	WOKDD0950001201	4	20	22	13,2	13	28	14	13	56
120	150	DKAMP 120/12.	WOKDD1200001201	4	12	23	14,7	13	32	14	13	56
120	150	DKAMP 120/16	WOKDD1500001601	4	12	23	14,7	17	32	17	16	56
150	185	DKAMP 150/12*	WOKDD1500001201	4	12	25	16,3	13	34	14	13	60
150	185	DKAMP 150/16.	WOKDD1500001601	4	12	25	16,3	17	34	17	16	60
185	240	DKAMP 185/12*	WOKDD1850001201	4	12	28,5	18,3	13	37	14	13	60
185	240	DKAMP 185/16.	WOKDD1850001601	4	12	28,5	18,3	17	37	17	16	60
240	300	DKAMP 240/12	WOKDD2400001201	4	12	32	21	13	42	14	13	70
240	300	DKAMP 240/16.	WOKDD2400001601	4	12	32	21	17	42	17	16	70
300	-	DKAMP 300/16.*	WOKDD3000001601	4	12	34	23,3	17	48	17	16	70

rm - round bunched core, sm - segmental bunched core, se - segmental solid core.

* position offered on request, the price depends on the expected quantities.

Aluminum-copper cable ferrules with leakproof partition, acc. to DIN standard - type DZAM

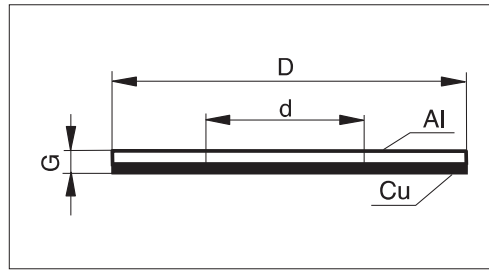


Application	Aluminum-copper cable ferrules are used for connection of aluminum and copper conductor. The aluminum and copper connection is obtained using of friction method, and it causes the elimination of disadvantageous effects on the aluminum with copper contact.
Assembling	In order to make the durable assembling of ferrule, it should be pressed by using the suitable press (in case of sector cores - the core should be first formed round).
Technical data	Accordanace with DIN 46 267 standard concerns only the tubular parts of the ferrules. Cable ferrules are made of aluminum bars in the recrystallizing condition of EN AW-1050 A grade PN-EN 573-3 and of copper bars in grade Cu-ETP acc. with PN-EN 13601. Special contact paste applied inside ferrules acc. to DIN standards improve the quality of the connection. For the assurance of suitable plasticity of contact paste, the ferrules are packed separately one piece in one folie sack.

Core cross section [mm ²]			Type of ferrules	Index	Packing [pcs.]	Dimensions [mm]				
Al rm, sm	se	Cu rm, se				D	d	D ₁	d ₁	L
16	25	10	DZAM 16 / 10	WOZDD0160100001	4	12,0	5,6	6,0	4,5	57,0
16	25	16	DZAM 16 / 16	WOZDD0160160001	4	12,0	5,6	8,5	5,5	61,0
25	35	10	DZAM 25 / 10	WOZDD0250100001	4	12,0	6,8	6,0	4,5	55,0
25	35	16	DZAM 25 / 16	WOZDD0250160001	4	12,0	6,8	8,5	5,5	61,0
25	35	25	DZAM 25 / 25	WOZDD0250250001	4	12,0	6,8	10,0	7,0	61,0
35	50	16	DZAM 35 / 16	WOZDD0350160001	4	14,0	8,0	8,5	5,5	71,0
35	50	25	DZAM 35 / 25	WOZDD0350250001	4	14,0	8,0	10,0	7,0	71,0
35	50	35	DZAM 35 / 35	WOZDD0350350001	4	14,0	8,0	12,5	8,2	71,0
50	70	25	DZAM 50 / 25	WOZDD0500250001	4	16,0	9,8	10,0	7,0	71,5
50	70	35	DZAM 50 / 35	WOZDD0500350001	4	16,0	9,8	12,5	8,2	71,5
50	70	50	DZAM 50 / 50	WOZDD0500500001	4	16,0	9,8	14,5	10,0	77,5
70	95	25	DZAM 70 / 25	WOZDD0700250001	4	18,5	11,2	10,0	7,0	79,0
70	95	35	DZAM 70 / 35	WOZDD0700350001	4	18,5	11,2	12,5	8,2	79,0
70	95	50	DZAM 70 / 50	WOZDD0700500001	4	18,5	11,2	14,5	10,0	85,0
70	95	70	DZAM 70 / 70	WOZDD0700700001	4	18,5	11,2	16,5	11,5	86,0
95	120	50	DZAM 95 / 50	WOZDD0950500001	4	22,0	13,2	14,5	10,0	85,0
95	120	70	DZAM 95 / 70	WOZDD0950700001	4	22,0	13,2	16,5	11,5	87,0
95	120	95	DZAM 95 / 95	WOZDD0950950001	4	22,0	13,2	19,0	13,5	95,0
120	150	35	DZAM 120 / 35	WOZDD1200350001	4	23,0	14,7	12,5	8,2	81,0
120	150	50	DZAM 120 / 50	WOZDD1200500001	4	23,0	14,7	14,5	10,0	87,0
120	150	70	DZAM 120 / 70	WOZDD1200700001	4	23,0	14,7	16,5	11,5	89,0
120	150	95	DZAM 120 / 95	WOZDD1200950001	4	23,0	14,7	19,0	13,5	97,0
120	150	120	DZAM 120 / 120	WOZDD1201200001	4	23,0	14,7	21,0	15,5	97,0
150	185	70	DZAM 150 / 70	WOZDD1500700001	4	25,0	16,3	16,5	11,5	99,5
150	185	95	DZAM 150 / 95	WOZDD1500950001	4	25,0	16,3	19,0	13,5	107,5
150	185	120	DZAM 150 / 120	WOZDD1501200001	4	25,0	16,3	21,0	15,5	107,5
150	185	150	DZAM 150 / 150	WOZDD1501500001	4	25,0	16,3	23,5	17,0	107,5
185	240	120	DZAM 185 / 120	WOZDD1851200001	4	28,5	18,3	21,0	15,5	108,0
185	240	150	DZAM 185 / 150	WOZDD1851500001	4	28,5	18,3	23,5	17,0	113,0
185	240	185	DZAM 185 / 185	WOZDD1851850001	4	28,5	18,3	25,5	19,0	116,0
240	300	50	DZAM 240 / 50	WOZDD2400500001	4	32,0	21,0	14,5	10,0	110,0
240	300	70	DZAM 240 / 70	WOZDD2400700001	4	32,0	21,0	16,5	11,5	111,0
240	300	95	DZAM 240 / 95	WOZDD2400950001	4	32,0	21,0	19,0	13,5	119,0
240	300	120	DZAM 240 / 120	WOZDD2401200001	4	32,0	21,0	21,0	15,5	119,0
240	300	150	DZAM 240 / 150	WOZDD2401500001	4	32,0	21,0	23,5	17,0	124,0
240	300	185	DZAM 240 / 185	WOZDD2401850001	4	32,0	21,0	25,5	19,0	127,0
240	300	240	DZAM 240 / 240	WOZDD2402400001	4	32,0	21,0	29,0	21,5	128,0

rm - round bunched core, sm - segmental bunched core, se - segmental solid core.
Copper cable ferrules type DZAM offered on request, after the expected quantities.

Aluminum-copper washers - type PC



Application

Al-Cu washers eliminate a minicells creating effect on the contact of two different metals.

The washers applied to electrical circuits cause reduction of energy loss.

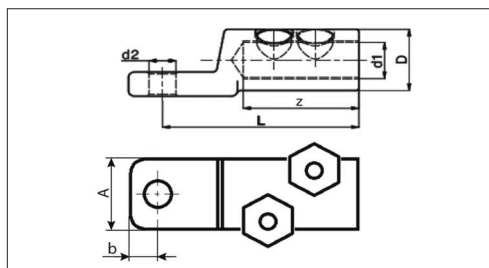
They increase the safety and the life of connection. Except the application in power engineering, the washers can be used in electrical installations for the connection of parts made of aluminum and copper.

Technical data

Washers are made of AL/CU sheet.

Type of washers	Index	Packing [pcs.]	Cumulative packing [pcs.]	Dimensions [mm]		
				D	d	g
PC 3,5	WOPAD08503501	100	80	8,5	3,5	1
PC 5,5	WOPAD01105501	100	50	11	5,5	1
PC 6,5	WOPAD01306501	100	45	13	6,5	1
PC 8,5	WOPAD01908501	100	35	19	8,5	1
PC 11,0	WOPAD02401101	100	25	24	11,0	1
PC 13,0	WOPAD03001301	100	25	30	13,0	1
PC 17,0	WOPAD03801701	100	20	38	17,0	1
PC 21,0	WOPAD03802101	100	15	38	21,0	1

Screw-like cable ends, tight, for voltage up to 36kV – SN ML36 type



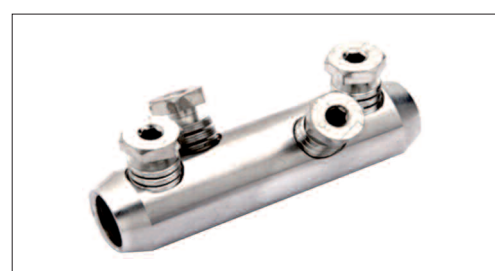
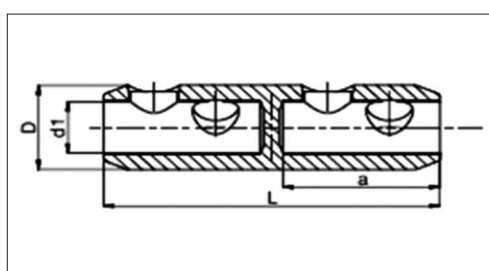
Application	They are intended for finishing the cables with aluminum and copper conductors (round and sector) for voltage up to 36kV.
Assembling	They increase safety and durability and quality of connection thanks to lock bolts after the proper pressure force has been reached.
Technical data	After placing the cable conductor in the end, it is necessary to screw the bolt in until breaking.

Body made of high-resistance aluminum alloy, tinplated; brass bolts, tinplated.

The ends are packed in separate packaging which contains assembly manual and rings intended for positioning cable conductors.

Type	Cross section AL [mm²]				Cu [mm²]		Dimensions [mm]								Screws
	rm	re	sm	se	rm	sm	d2	d1	D	z	L	A	b		
SN ML36-16-95x12	16-70	16-95	25-70	16-95	16-70	25-70	13,0	12,5	24,0	32,0	60	30	15	1	
SN ML36-16-95x16	16-70	16-95	25-70	16-95	16-70	25-70	17,0	12,5	24,0	32,0	60	30	16	1	
SN ML36-50-150x12	50-120	50-150	50-120	50-150	50-120	50-120	13,0	15,0	30,0	35,0	79	30	16	1	
SN ML36-50-150x16	50-120	50-150	50-120	50-150	50-120	50-120	17,0	15,0	30,0	35,0	79	30	16	1	
SN ML36-95-240x12	95-185	95-240	95-185	95-240	95-185	95-185	13,0	20,0	33,0	56,0	95	33	17	2	
SN ML36-95-240x16	95-185	95-240	95-185	95-240	95-185	95-185	17,0	20,0	33,0	56,0	95	33	17,5	2	

Screw-like cable connectors, tight, for voltage up to 36 kV - SN MC36 type



Application	They serve to connect cables with aluminum and copper conductors (round and sector) for voltage up to 36kV. They increase safety, durability and quality of connection thanks to lock bolts after the proper pressure force has been reached.
Assembling	After the cable conductor has been placed in the connector, it is necessary to screw the bolt in until breaking.
Technical data	The body made of high-resistance aluminum alloy, tinplated; brass bolts, tinplated. Connectors are packed in separate packaging which contains assembly manual and rings for positioning the cable conductor.

Type	Cross section AL [mm ²]				Cu [mm ²]		Dimensions [mm]					Screws
	rm	re	sm	se	rmv	rm	sm	d1	D	a	L	
SN MC36-16-95	16-95	10-95	25-70	10-95	16-95	10-70	25-70	12,5	24,0	32	70	2
SN MC36-50-150	50-150	50-150	50-120	50-150	50-150	35-120	50-120	15,5	30,0	35	85	2
SN MC36-95-240	95-240	95-240	120-185	95-240	95-240	95-240	95-185	20,0	33,0	56	120	4

12-way thread terminal blocks for wires - type Z12T



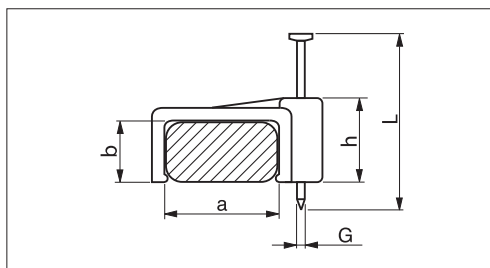
Application 12-way thread terminal blocks for wires are used for wires connection in electro-installation boxes, lighting technics, switchgear boxes and other electro-installation works. The guarantee easy separation of current ways. Blocks can be easily divided with the use of installation knife. Special holes enable fastening the blocks to the foundation.

Assembling After the core has been placed in the block, screw the bolt in with flat –blade screwdriver.

Technical data The body of blocks is made of polyethylene PE.
Grips are made of brass with steel tinned screws.
Working temperature: from - 40°C to + 80°C.

Core cross section [mm ²]	Type of terminal	Index	Packing [pcs.]	Rated current [A]	Length [mm]	Colour
0,5 ÷ 2,5	Z12T 2,5	TOLA02	10	3 ÷ 24	93	orange
2,5 ÷ 4	Z12T 4	TOLA04	10	5 ÷ 32	114	orange
4 ÷ 6	Z12T 6	TOLA06	10	10 ÷ 57	125	orange
10	Z12T 10	TOLA10	10	15 ÷ 61	138	orange
16	Z12T 16	TOLA16	10	30 ÷ 76	165	orange
0,5 ÷ 2,5	Z12T 2,5-BB	TOLA02B	10	3 ÷ 24	93	colorless
2,5 ÷ 4	Z12T 4-BB	TOLA04B	10	5 ÷ 32	114	colorless
4 ÷ 6	Z12T 6-BB	TOLA06B	10	10 ÷ 57	125	colorless
10	Z12T 10-BB	TOLA0110B	10	15 ÷ 61	138	colorless
16	Z12T 16-BB	TOLA016B	10	30 ÷ 76	165	colorless

For flat conductors fastening - type FP

**Application**

The fasteners are supposed to fast fastening of conductors. The hardened nail makes easy the assembling to different foundations, and the using of KR1 stretched pins causes better security of the fastening. Special shape of fasteners for round and flat conductors, increases the security of the assembling. Comfortable application for aesthetic and cheap installation.

Assembling

Flop fasteners can be fastened driving nails directly to the foundation or to the put in KR1 stretched pin.

Technical data

Still hardened tinned nail. The fasteners and stretched pins are made of polypropylene (BN-79/6364-03). Operating temperature from -15°C up to +70°C. Fasteners are packed in foil or blisters. For shops and warehouses we recommend comfortable kit - stand with fasteners' set of most popular dimensions packed in blisters.

Packed in sack

Product name	Index	Packing [pcs.]	Cumulative packing [sets]	Dimensions [mm]				
				a	b	h	L	G
FP 5 / 3	TOUFP0501	100	40	5	3,5	5,5	20	1,8
FP 6 / 4	TOUFP0601	100	40	6	4,0	6,0	22	1,8
FP 8 / 5	TOUFP0801	100	20	8	5,0	7,0	27	2,0
FP 10 / 6	TOUFP1001	100	20	10	5,5	8,0	26	2,3
FP 12 / 6	TOUFP1201	100	15	12	6,0	9,5	26	2,0

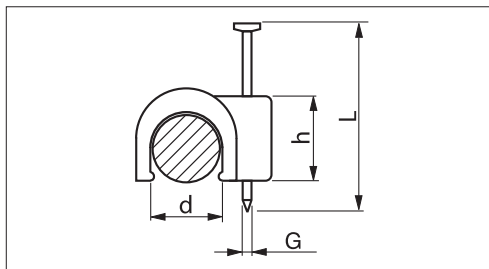
Packed in blisters

Product name	Index	Packing [pcs.]	Cumulative packing [sets]	Dimensions [mm]				
				a	b	h	L	G
BFP 5 / 3	WOUFP0011	50	10	5	3,5	5,5	20	1,8
BFP 6 / 4	WOUFP0021	60	10	6	4,0	6,0	22	1,8
BFP 8 / 5	WOUFP0031	40	10	8	5,0	7,0	27	2,0
BFP 10 / 6	WOUFP0041	80	10	10	5,5	8,0	26	2,3
BFP 12 / 6	WOUFP0051	60	10	12	6,0	9,5	26	2,0

Product name Conductor type

FP 5 / 3	SMYp 2x0,75; SMYp 2x0,5; TKSy 1x2x0,5; OMYp 2x0,5
FP 6 / 4	OMYp 2x0,75; OMYp 2x1
FP 8 / 5	OMYp 2x1,5; YDYp 300/500V 2x1; 2x1,5; 2x2,5
FP 10 / 6	YDYp 450/750V 2x1 i 2x1,5; YDYp 300/500V 3x1 i 3x1,5
FP 12 / 6	YDYp 450/750V 3x1 i 3x1,5; YDYp 300/500V 3x2,5

For round conductors fastening - type FO

**Application**

The fasteners are supposed to fast fastening of conductors. The hardened nail makes easy the assembling to different foundations, and the using of KR1 stretched pins causes better security of the fastening. Special shape of fasteners for round and flat conductors, increases the security of the assembling. Comfortable application for aesthetic and cheap installation.

Assembling

Flop fasteners can be fastened driving nails directly to the foundation or to the put in KR1 stretched pin.

Technical data

Still hardened tinned nail. The fasteners and stretched pins are made of polypropylene (BN-79/6364-03). Operating temperature from -15°C up to +70°C. Fasteners are packed in foil or blisters. For shops and warehouses we recommend comfortable kit - stand with fasteners' set of most popular dimensions packed in blisters.

Packed in sack

Product name	Index	Packing [pcs.]	Cumulative packing [sets]	Dimensions [mm]			
				d	h	L	G
FO 3	TOUFO0301	100	60	3	5,0	20	1,5
FO 4	TOUFO0401	100	50	4	5,0	22	1,8
FO 5	TOUFO0501	100	40	5	5,5	22	1,8
FO 6	TOUFO0601	100	30	6	7,5	25	1,8
FO 7	TOUFO0701	100	25	7	7,5	25	1,8
FO 8	TOUFO0801	100	20	8	9,0	27	2,0
FO 9	TOUFO0901	100	15	9	10,0	27	2,0
FO 10	TOUFO1001	100	15	10	11,0	27	2,0
FO 12	TOUFO1201	100	12	12	13,0	28	2,2
FO 16	TOUFO1601	100	6	16	16,5	38	2,4

Packed in blisters

Product name	Index	Packing [pcs.]	Cumulative packing [sets]	Dimensions [mm]			
				a	b	h	L
BFO 3	WOUFO0011	60	10	3	5,0	20	2,0
BFO 4	WOUFO0021	60	10	4	5,0	22	1,8
BFO 5	WOUFO0031	50	10	5	5,5	22	1,8
BFO 6	WOUFO0041	70	10	6	7,5	25	1,8
BFO 7	WOUFO0051	70	10	7	7,5	25	1,8
BFO 8	WOUFO0061	60	10	8	9,0	27	2,0
BFO 9	WOUFO0071	40	10	9	10,0	27	2,0
BFO 10	WOUFO0081	50	10	10	11,0	27	2,0
BFO 12	WOUFO0091	50	10	12	13,0	28	2,2

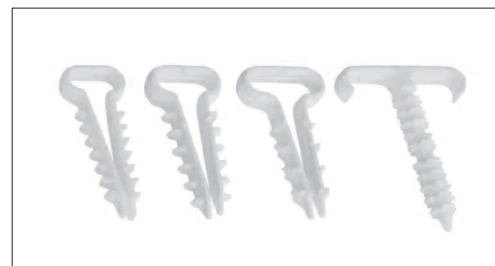
Product name Conductor type

FO 3	LgY 1x2,5; YTDY 4x0,5
FO 4	LgY 1x4
FO 5	OMY 2x1; 2x1,5; 3x0,5; LgY 1x6
FO 6	LgY 1x10; OMY 2x1,5; WDX 75-1; YTDY 16x0,5
FO 7	YDY 2x1; LgY 1x16

Product name Conductor type

FO 8	YDY 2x1,5; YDY 3x1
FO 9	YDY 3x1,5; YDY 4x1; YFY 4x1,5; OWY 4x1,5
FO 10	YDY 2x4; YDY 3x4; LgY 1x35
FO 12	LgY 1x50
FO 16	OWY 5x4; LgY 1x95; YDY 4x6

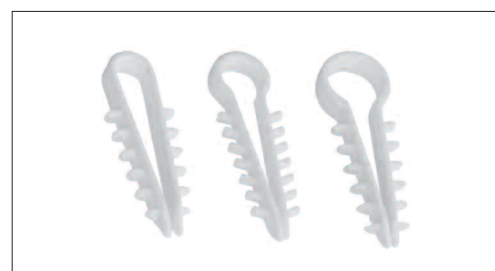
Quick assembly holders for flat conductors - type USMP



Application	Meant for easy and quick assembly of round and flat conductors and pipes in on-wall, ceiling and floor installations. They guarantee low assembly costs and professional appearance of installation.					
Assembling	Conductor is being put in into holder which is next placed in the drilled-hole.					
Technical data	Material: polypropylene.					

Name of set	Index	Max. width of conductor [mm]	Used for conductors	Assembly		Packing [pcs.]
				Drill dimension [mm]	Hole depth [mm]	
USMP 11	TOUSP01	11	YDYp 2x1; 2x1,5; 2x2,5; 3x1; 3x1,5	6 ÷ 6,5	35	100
USMP 13	TOUSP02	13	YDYp 3x1,5; 3x2,5; UTP-dual	6 ÷ 6,5	35	100
USMP 16	TOUSP03	16	YDYp 4x1,5; 4x2,5	6 ÷ 6,5	35	100
USMP 2x13	TOUSP04	13	YDYp 3x1,5; 3x2,5; 4x1,5; UTP-dual	6 ÷ 6,5	40	50

Quick assembly holders for round conductors - type USMO



Application	Meant for easy and quick assembly of round and flat conductors and pipes in on-wall, ceiling and floor installations. They guarantee low assembly costs and professional appearance of installation.					
Assembling	Conductor is being put in into holder which is next placed in the drilled-hole.					
Technical data	Material: polypropylene.					

Name of set	Indeks	Conductor diameter		Used for conductors	Assembly		Packing [pcs.]
		from [mm]	to [mm]		Drill dimension [mm]	Hole depth [mm]	
USMO 6	TOUSO01	5	7	YTKSY 1x2x0,5; 1x4x0,5; 5x2x0,5; DY6; UYP	6 ÷ 6,5	35	100
USMO 8	TOUSO02	7	9	YDY 2x1; 2x1,5; 3x1; Aerial and cable TV	6 ÷ 6,5	35	100
USMO 10	TOUSO03	9	11	YDY 2x2,5; 2x1,5; 3x1,5; 3x2,5; 4x1; 4x1,5	6 ÷ 6,5	35	100

Hook quick assembly holders for pipes - type USMH



Application Meant for easy and quick assembly of round and flat conductors and pipes in on-wall, ceiling and floor installations. They guarantee low assembly costs and professional appearance of installation.

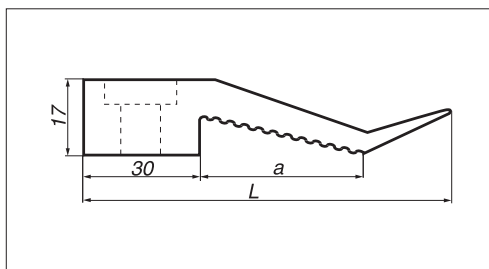
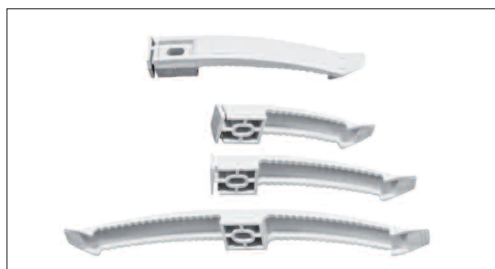
Assembling Conductor is being put in into holder which is next placed in the drilled-hole.

Technical data Material: polypropylene.

Name of set	Index	Conductor diameter		Used for conductors	Assembly		Packing [pcs.]
		from [mm]	to [mm]		Drill dim. [mm]	Hole depth [mm]	
USMH 18-22	TOUSH01	18	22	Installation pipes: smooth and corrugated	7 ÷ 8	50	100
USMH 2x18-22	TOUSH02	18	22	conductors YDY 5x10; 7x6; 7x10; 10x2,5; 10x4	7 ÷ 8	50	100

Collective cable holders

Collective cable holders - type UKZ



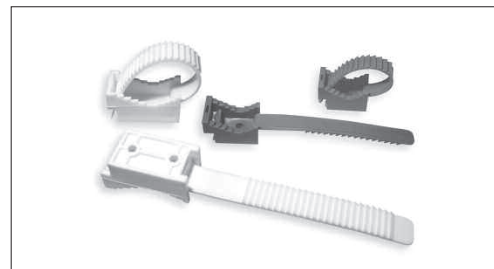
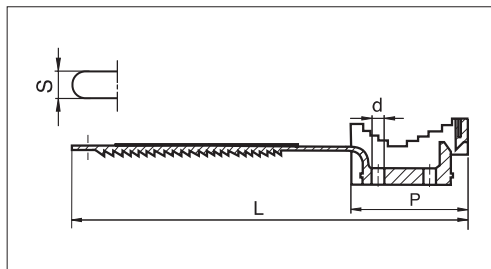
Application They are meant for collective fastening of power conductors in on-wall, ceiling and floor installations. Their flexible construction and pull off holder enable easy and reliable holding of conductors. Due to flat shape they can be applied in under-plaster work installations. Low installation costs are guaranteed thanks to shortening the assembly time.

Assembling Mounting with a screw or screw.

Technical data Material: polypropylene.

Name of set	Index	Dimens. [mm]		Used for conductors	Assembly	Packing [pcs.]
		a	L			
UKZ 52	TOUA02	52	105	max. 6 conductors: YDY 2x2,5; 3x1,5; 3x2,5; 4x1; 4x1,5	Max. diameters: screw 6 mm, screw head 11 mm	50
UKZ 77	TOUA03	77	130	max. 9 conductors: YDY 2x2,5; 3x1,5; 3x2,5; 4x1; 4x1,5		50
UKZ 2x77	TOUA01	2 x 77	230	max. 2 x 9 conductors: YDY 2x2,5; 3x1,5; 3x2,5; 4x1; 4x1,5		50

Cable hitching grips - type UP



Application

The hitching grips are applied for the fastening of power engineering conductors. They are very flexible. UP type ties have zip for multiple using

Assembling

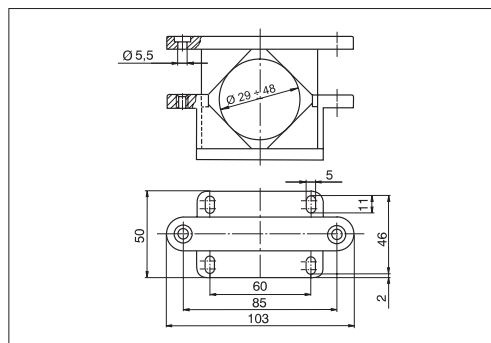
Screw down the grips to the foundation with the aid eg. concrete, wood, steel screws ((the grips are sold without the screws). Depending on dimensions, the grip have holes for 1 or 2 screws.

Technical data

Material: polietylen (PN-86/C-89280).
Operating temperature: from -15° to 70°C.
Standard version and UV resistant version (name: UP ... UV).

Product name	Index	Max. diameter of bunch [mm]	Packing [pcs.]	Cumulative packing [sets]	L	Dimensions [mm]			Colours
						d	P	S	
UP 22-B	WOUZ001W1	18	100	20	93	4,5	28	10	white
UP 30-B	WOUZ002W1	30	100	10	145	5,4	37	13	white
UP 50-B	WOUZ003W1	45	10	30	220	2 x 6,4	61	22	white
UP 22 UV-C	WOUZ001BV1	18	100	20	93	4,5	28	10	black
UP 30 UV-C	WOUZ002BV1	30	100	10	145	5,4	37	13	black
UP 50 UV-C	WOUZ003BV1	45	10	30	220	2 x 6,4	61	22	black

All-purpose cable grips for cables and pipes - type UKU



Application

All-purpose grips are used for stationary power engineering cables and or installation pipes of 29 up to 48 mm. Special shape and the construction make the connection more durable.

Assembling

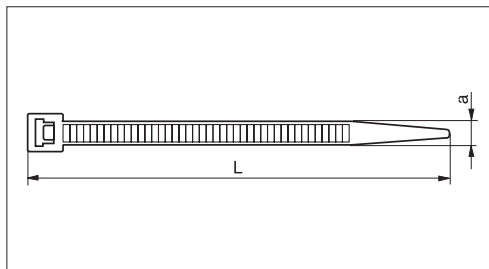
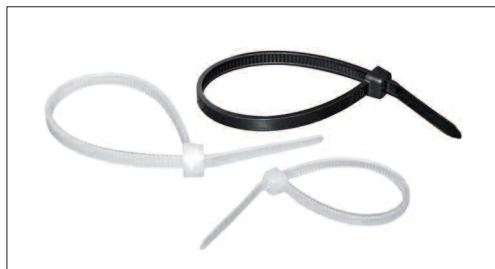
The grip's base is screwed down to the foundation with the aid of 4 pcs of wood screws (the grips are sold without the screws). Next the cable or the pipe are fastened to the foundation by means of "grip bridge" equipped in two screws.

Technical data

The grips are made of polypropylene (BN-79/6364-03).
UV resistant.
Colors: white, black.
Operating temperature from: from -15° to 70°C.

Product name	Index	Packing [pcs.]	Cumulative packing [sets]	Colour
UKU-50-B	WOUUW0011	5	20	white
UKU-50-C	WOUUB0011	5	20	black

Cable ties - type CT (white and black) - type CT

**Application**

Cable ties are used for fastening in the bundle of conductors, tubing, hoses etc. Assembling is easier because of rounded safety edges and terminal.

Technical data

The ties are available in white and black colors (at the end of the ties' name it should be added "C" letter e.g. CT 100-2,5 C). The ties in black color have increased UV resistance.

Cable ties are made of polyamide 6.6.

They don't contain halides of cadmium, mercury, lead and chromium. Inflammability class acc. to UL 94 V2. Operating temperature: from: od -40 do 85°C.

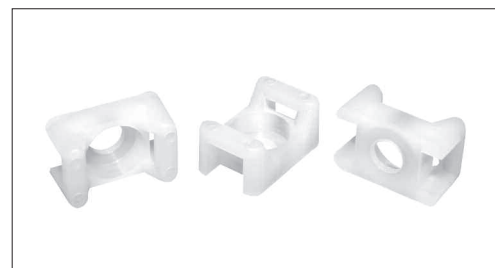
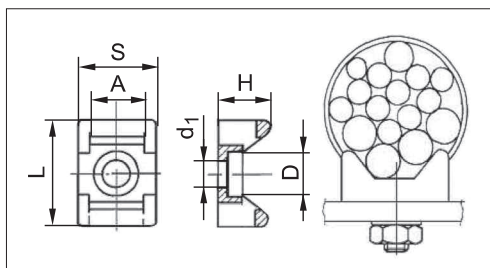
In the connection with specificity of the production dimensions tolerances are as following: length 5%, width 12%.

Up to the dimension of 4,8 cable ties are packed in foil bags by 10 sets and next in cardboard boxes in accordance with the specification.

The strength needed for the tie breaking is given in a unit of strength's kilogram (1kG = 9,8N).

Max. diameter of bunch [mm]	Product name	Index (color white)	Index (color black)	Packing [pcs.]	Cumulative packing [pcs.]	Dimensions [mm]		Tensile strength [kG]
						L	a	
15	CT 80-2,4	TOOCW008002401	TOOCB008002401	100	800	80	2,4	8
21	CT 100-2,5	TOOCW010002501	TOOCB010002501	100	700	100	2,5	8
30	CT 120-2,5	TOOCW012002501	TOOCB012002501	100	700	120	2,5	8
40	CT 160-2,5	TOOCW016002501	TOOCB016002501	100	500	160	2,5	8
53	CT 200-2,5	TOOCW020002502	TOOCB020002502	100	400	200	2,5	8
33	CT 140-3,6	TOOCW014003601	TOOCB014003601	100	400	140	3,6	18
53	CT 200-3,6	TOOCW020003602	TOOCB020003602	100	250	200	3,6	18
76	CT 300-3,6	TOOCW030003601	TOOCB030003601	100	200	300	3,6	18
102	CT 370-3,6	TOOCW037003601	TOOCB037003601	100	170	370	3,6	18
24	CT 120-4,8	TOOCW012004801	TOOCB012004801	100	200	120	4,8	22
38	CT 160-4,8	TOOCW016004801	TOOCB016004801	100	230	160	4,8	22
50	CT 200-4,8	TOOCW020004801	TOOCB020004801	100	180	200	4,8	22
60	CT 250-4,8	TOOCW025004801	TOOCB025004801	100	170	250	4,8	22
76	CT 300-4,8	TOOCW030004801	TOOCB030004801	100	140	300	4,8	22
102	CT 370-4,8	TOOCW037004801	TOOCB037004801	100	120	370	4,8	22
110	CT 430-4,8	TOOCW043004801	TOOCB043004801	100	100	430	4,8	22
50	CT 200-7,6	TOOCW020007601	TOOCB020007601	100	100	200	7,6	54
76	CT 292-7,6	TOOCW029207601	TOOCB029207601	100	75	292	7,6	54
102	CT 368-7,6	TOOCW036807601	TOOCB036807601	100	60	368	7,6	54
130	CT 450-7,8	TOOCW045007801	TOOCB045007801	100	50	450	7,8	54
158	CT 540-7,8	TOOCW054007801	TOOCB054007801	100	40	540	7,8	54
195	CT 750-7,8	TOOCW075007802	TOOCB075007802	25	80	750	7,8	54
140	CT 528-9	TOOCW052809002	TOOCB052809002	25	120	528	9,0	79
185	CT 710-9	TOOCW071009002	TOOCB071009002	25	70	710	9,0	79
239	CT 812-9	TOOCW081209002	TOOCB081209002	25	60	812	9,0	79
295	CT 1020-9	TOOCW102009002	TOOCB102009002	25	40	1020	9,0	79
120	CT 480-12,6	TOOCW048012602	TOOCB048012602	25	-	480	12,6	114
204	CT 730-12,6	TOOCW073012602	TOOCB073012602	25	-	730	12,6	114
295	CT 1030-12,6	TOOCW103012602	TOOCB103012602	25	32	1030	12,6	114

Elements screwed down to the foundation with the aid of the screw - type UMO



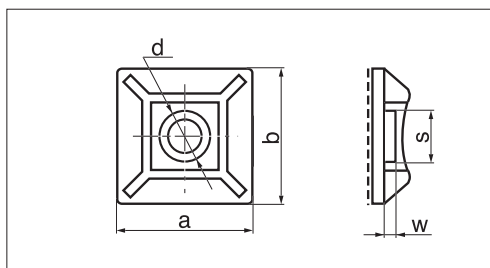
Application Meant for fastening of cable ties to different types of foundations.

Assembling With bolts, screws or plug

Technical data The elements are made of polyamide.
Color: white.
Operating temperature: from -40°C to +85°C.

Product name	Index	Packing [pcs.]	Dimensions [mm]					
			A	D	d ₁	H	S	L
UMO 5	TOM3W1	100	5,0	6,6	3,4	7,2	9,5	14,9
UMO 9	TOM3W2	100	9,0	12,4	6,4	9,7	15,9	21,9

Self-strick elements - type UMS



Application Meant for fastening of cable ties to different types of foundations.

Assembling Before sticking with glue firstly remove the protective film, then press against flat, smooth, clean and degreased surface. Alternately you can fix it with a bolt, screw or plug.

Technical data Polyamide body 6.6, white and black.
Elements in black colour have higher resistance to UV radiation.
Operating temperature: from -40°C to +70°C.
Adhesive reaches full strength following 24 hours.

Product name	Index	Packing [pcs.]	Colour	Max. fixed loading [g]	Dimensions				
					a [mm]	b [mm]	d [mm]	s [mm]	w [mm]
UMS 12	TOM9W1	100	white	40	12,5	12,5	bez	3,0	1,5
UMS 12-C	TOM9B1	100	black	40	12,5	12,5	bez	3,0	1,5
UMS 19	TOM9W2	100	white	100	19,0	19,0	4,0	4,0	1,5
UMS 19-C	TOM9B2	100	black	100	19,0	19,0	4,0	4,0	1,5
UMS 28	TOM9W0	100	white	260	28,0	28,0	6,0	5,0	1,5
UMS 28-C	TOM9B0	100	black	260	28,0	28,0	6,0	5,0	1,5

Electro-insulating tapes - type AR



Application

Universal, self-extinguishing tapes are supplied for using in places where very well insulation properties are required. Ideal for using in industrial and domestic installations.

Perfect for the applications in household and industrial installations. They are very well self-adhesive, flexible, sealing and have high resistance to moisture penetration, chemicals and abrasion.

They are applied for the reproduction of cables and conductors insulation, bundling, phase marking, electrolytic corrosion protection, sealing, packing and so on.

Storage

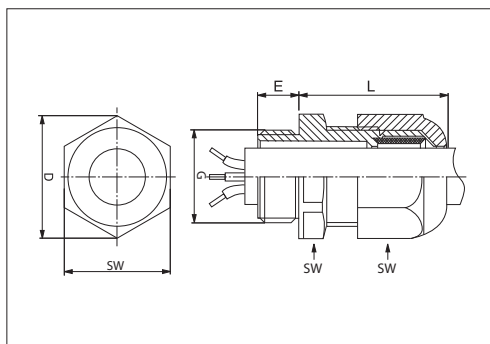
Tapes should be protected against direct sunlight, sudden temperature changes, dust which may pollute the glue layer. Store not longer than 1 year.

Technical data

rupture strength	≥ 18 N/cm,
elongation at rupture	≥ 160%,
adhesion on steel	≥ 1,6 N/cm,
breakdown voltage	≥ 4,8 kV / layer, i.e. 36kV/mm
flame duration	≤ 3 s, acc. with UL 510
temperature grade	from -12 to +80°C,
thickness tolerance	± 5%,
width tolerance	± 1 mm,
length tolerance	± 10%.

Product name	Index	Color	Packing [pcs.]	Cumulative packing [sets]	length [m]	Dimensions width [mm]	thickness [mm]
AR 15/10-RM	TTENK1510RM0	mix	10	36	10	15	0,13
AR 15/10-C	TTENK1510C00	black	10	36	10	15	0,13
AR 19/10-RM	TTENK1910RM0	mix	10	25	10	19	0,13
AR 19/10-C	TTENK1910C00	black	10	25	10	19	0,13
AR 19/20-RM	TTENK1920RM0	mix	10	20	20	19	0,13
AR 19/20-C	TTENK1920C00	black	10	20	20	19	0,13
AR 19/20-K	TTENK1920K00	red	10	20	20	19	0,13
AR 19/20-T	TTENK1920T00	green	10	20	20	19	0,13
AR 19/20-Z	TTENK1920Z00	yellow	10	20	20	19	0,13
AR 19/20-ZT	TTENK1920ZT0	yellow-green	10	20	20	19	0,13
AR 19/20-N	TTENK1920N00	blue	10	20	20	19	0,13
AR 19/20-SZ	TTENK1920SZ0	gray	10	20	20	19	0,13
AR 19/20-B	TTENK1920B00	white	10	20	20	19	0,13
AR 19/20-BR	TTENK1920BR0	brown	10	20	20	19	0,13
AR 19/20-F	TTENK1920F00	purple	10	20	20	19	0,13
AR 50/20-C	TTENK5020C00	black	1	80	20	50	0,13

Cable glands, polyamide - type DR ... NP2



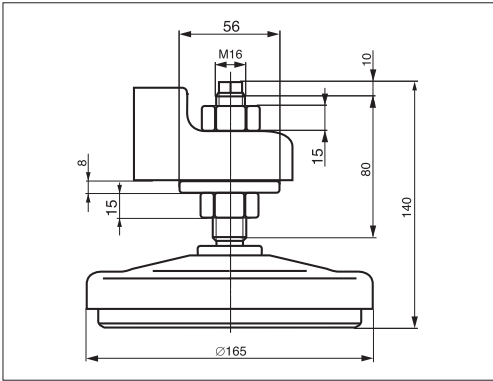
Application

They are meant for sealing of conductor passages e.g. in switchboards.
Cable glands guarantee high level of protection against strange solid bodies and water penetration.
Supplied with polyamide nut and sealing washer.

Technical data

Housing material: poliamid PA 6, Grey Colour RAL 7035
Material seal: neopren
Continuous working temperature: -20 to 100 °C
Interim Operating temperature: -30 to 150 °C
Flammability class UL 94 V2
UV Resistance
Protection degree: IP 68 (dustproof, protection in case of immersion in water up to depth of 1m)
Type of thread: **Pg** - standard UTE C 68-311 - DIN 40430
M - (metric, ISO) - wg EN 60423 i EN 50262

Product name	Thread type	Index	Dimensions [mm]					Conductor diameter from - to [mm]	Packing [pcs.]
			G	E	L max	D	SW		
DR 7 NP2	Pg 7	TODP07N5	13	8	22	17,1	15	3 - 6,5	100
DR 9 NP2	Pg 9	TODP09N5	16	8	25	21,6	19	4 - 8	50
DR 11 NP2	Pg 11	TODP11N5	19	8	28	25	22	5 - 10	50
DR 13 NP2	Pg 13,5	TODP13N5	21	9	29	27,8	24	6 - 12	50
DR 16 NP2	Pg 16	TODP16N5	23	10	31	30,8	27	10 - 14	50
DR 21 NP2	Pg 21	TODP21N5	29	11	35	37,8	33	13 - 18	25
DR 29 NP2	Pg 29	TODP29N5	37	11	40	48	42	18 - 25	20
DR 36 NP2	Pg 36	TODP36N5	47	13	49	60	53	22 - 32	10
DR 42 NP2	Pg 42	TODP42N5	54	13	49	67,7	60	30 - 38	10
DR 48 NP2	Pg 48	TODP48N5	59	14	49	72,2	65	34 - 44	10
DR 12M NP2	M12x1,5	TODM12N5	12	8	22	17,1	15	3 - 6,5	100
DR 16M NP2	M16x1,5	TODM16N5	16	10	28	25	22	5 - 10	50
DR 20M NP2	M20x1,5	TODM20N5	20	10	29	27,8	24	6 - 12	50
DR 25M NP2	M25x1,5	TODM25N5	25	10	35	37,8	33	13 - 18	25
DR 32M NP2	M32x1,5	TODM32N5	32	18	40	48	42	18 - 25	20
DR 40M NP2	M40x1,5	TODM40N5	40	18	49	60	53	22 - 32	10
DR 50M NP2	M50x1,5	TODM50N5	50	18	49	67,7	60	30 - 38	10
DR 63M NP2	M63x1,5	TODM63N5	63	18	49	72,2	65	34 - 44	10



Application

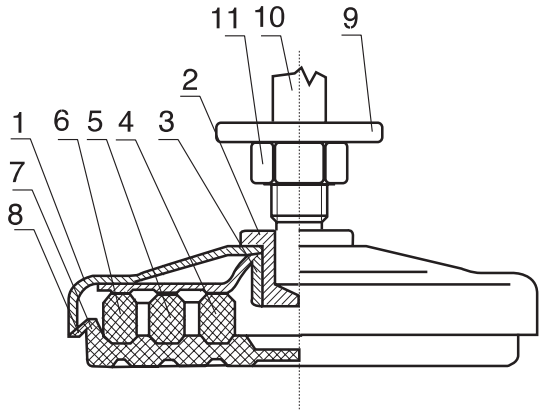
Vibroisolators are supplied for the precise and foundationless foundation of machines and devices. They act in two ways: insulate the environment from vibration evoked by running machines (active vibration), insulate the machine from vibration and shocks caused by the environment, for instance: the vibration transmitted through by floor, evoked by others machines (passive vibration). They decrease efficaciously the noise, vibration and blows level, improving the environment protection conditions, and industrial safety. Thanks to them, the production managment costs are lowered, for instance: cost of special floor execution. The advantage is shorter assembling and location changes of machines. This vibroisolators extend the machines and objects life. Easy using.

Construction

UC vibroisolator consists of two cardinal parts: metal (cap and seacial screw), flexible (settling disk and rings). Suitable construction of cap causes the transmission of static and dynamic forces on total surface and guarantees no deformation of the cap as the result of fatigue. Irregularity of surface under the machine is liquidated with the aid of screw cap control and thrust washer. The rings are made of rubber resistant for oil and greases. They have different degree of hardness (50°Sh and 70°Sh) depends on type of vibroisolator. Metal elements have corrosion protection.

Screw dimensions

Standard screws used for vibroisolators have dimension M16, caps M16 have length 15 mm. Standard working length of screw M16 is 80 mm.



Drawing description:

- 1 - complete cap,
- 2 - resistance seat,
- 3 - sleeve,
- 4, 5, 6 - rubber rings,
- 7 - settling disk,
- 8 - retainer ring,
- 9 - thrust washer,
- 10 - special screw,
- 11 - nut.

- I - vibroisolator axis
- - ring
- - without ring

Load on one vibroisolator [kg]*		Product name	Cumulative packing [sets]	Rings system
minimal	maximal			
100	400	UC 1.1	10	○ ● ● ● ● ○
200	500	UC 1.2	10	● ● ○ ○ ● ●
300	800	UC 1.3	10	● ● ● ● ● ●
300	1000	UC 1.4	10	○ ● ● ● ● ○
400	1400	UC 1.5	10	● ● ○ ○ ● ●
500	2000	UC 1.6	10	● ● ● ● ● ●

* recommended load necessary for effective vibrations deaden.



HEAT-SHRINKABLE TECHNOLOGY



SPUN CONCRETE POLES



PIPE SOLUTIONS



PRE-INSULATED SYSTEMS



POWER TRANSMISSION INSULATORS