

Highly flexible earthing tapes and braided connectors

Our company manufacture a wide range of flexible and highly flexible earthing tapes and braided connectors. Our manufacturing machines for braids put us in a position to produce additionally to our standardized products individual constructed braids or cables in coordination with your required applications. Whether made out of braids or round stranded cables, whether insulated or non insulated, whether with coated or uncoated surfaces we are able to manufacture a large number of flexible connectors from 1 mm² up to 6000 mm² conductor cross-section.

A summary of our common connectors are contained in this product information. Additionally to the described standardized types we are able to manufacture also designs made out of stainless steel- or aluminium braids as well as out of cables with special insulation material (like silicone etc.). With pleasure we'll put a complete set of our catalogues at your disposal. More information about our company and our products are also contained in our internet homepage under www.druseidt.de

Earthing tapes similar to DIN 72333 Part 3 design A and B

Construction

Manufactured out of uncoated as well as out of tinned braid. When placing an order please specify:

- Part-No.
- length
- diameter of the holes
- braid uncoated or tinned

Deliverable designs

design A1 contact areas tinned

design A2 contact areas with brass-tapes

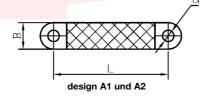
and additionally tinned

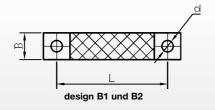
design B1 contact areas tinned

design B2 contact areas with brass-tapes

and additionally tinned







	Part	t-No.	tecl	nnical	data	
4			cross-section	dimensions mm		
			mm²	В	d	L
	15280/A1	15280/A2	4	8		
	15281/A1	15281/A2	6	10		
Ŗ	15282/A1	15282/A2	8	12		
9	15283/A1	15283/A2	10	14		
and	15284/A1	15284/A2	14	18		
¥	15285/A1	15285/A2	16	20	- 1	
	15286/A1	15286/A2	21	22	"	"
design	15287/A1	15287/A2	25	22	customers wishes	customers wishes
ĕ		15288/A2	35	25	<u>×</u>	Nis
	15289/A1	15289/A2	50	33	Ž	Š
	15290/A1	15290/A2	70	35	ae	ue L
					Ş	sto
	15280/B1	15280/B2	4	8	δñ	Sno
	15281/B1	15281/B2	6	10	2	9
B2	15282/B1	15282/B2	8	12	acc.	acc.
and	15283/B1	15283/B2	10	14	ä	ä
	15284/B1	15284/B2	14	18		
찚	15285/B1	15285/B2	16	20		
드	15286/B1	15286/B2	21	22		
design	15287/B1	15287/B2	25	22		
ŏ	15288/B1	15288/B2	35	25		
	15289/B1	15289/B2	50	33		
	15290/B1	15290/B2	70	35		



Earthing tapes with solderless pressed contact areas



Construction and applications

Manufactured out of highly flexible braids with solderless pressed contact areas made out of seamless Cu-ETP-tubes. The crimping process is realized without using additives like tin or soldering and welding additives. We use exclusively materials of same analysis and same conductivity of 57 S (braids and tubes). Suitable as earthing tapes as well as components for current transfer. Everywhere applicable where components with high flexibility and an optimized contact resistance are needed.

Technical data

Braids

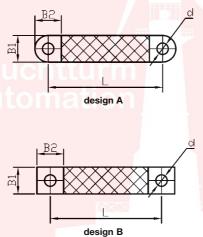
- made out of annealed Cu-ETP wires
- · surface uncoated or tinned
- wire-Ø 0,07 mm (10 mm²)
 wire-Ø 0,16 mm (14 mm²)
 wire-Ø 0,10 mm (16-70 mm²)

contact areas

- · seamless copper tube made out of Cu-ETP material
- · surface uncoated or tinned

Remark:

Manufacturing in large as well as small quantities in length acc. to your wishes. On request also with changed drilling deliverable. When placing an order please specify the wished changes.

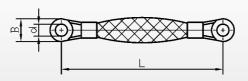


	Part-No.			technical data					
			cro	cross-section dimensions mm					
	uncoated	tinned		mm²	B,	B_2	d	L	
	13015	13015 vz		10	15	15	6,5	1	
	13016	13016 vz		14	20	20	9		
۲	13017	13017 vz		16	20	20	9	(0	
design	13018	13018 vz		25	25	25	9	to custumers wishes	
g	13019	13019 vz		35	30	30	9	wis	
	13020	13020 vz		50	30	30	9	ĮS.	
	13021	13021 vz		70	40	40	11	шe	
								stu	
	13025	13025 vz		10	15	15	6,5	Ö	
	13026	13026 vz		14	20	20	9		
л В	13027	13027 vz		16	20	20	9	acc.	
ig	13028	13028 vz		25	25	25	9	ä	
design	13029	13029 vz		35	30	30	9		
	13030	13030 vz		50	30	30	9		
	13031	13031 vz		70	40	40	11		

Highly flexible connectors with solderless pressed terminals acc. to DIN 46234

Construction and applications

Manufactured out of highly flexible braided copper tapes made out of annealed, tinned Cu-ETP wires, with solderless pressed terminals acc. to DIN 46234 at the ends. Everywhere applicable where connections with smaller cross-sections made out of braided copper tapes are needed.



Remark:

Length and drilling are changeable. Connectors with bigger cross-sections on request. When placing an order please specify the wished changes.

Technical data

braid:

- made out of annealed Cu-ETP wires
- surface tinned
- wire-Ø 0,07 mm (1,5-10 mm²) wire-Ø 0,10 mm (16 mm²)

contact areas

• with solderless pressed terminals acc. to DIN 46234

Part-No.	Technical data					
	cross-section	dimensions mm				
	mm²	В	L			
13010	1,5	8	4,3	160		
13011	4,0	10	5,3	160		
13012	6,0	11	6,5	200		
13013	10,0	11	6,5	200		
13014	16,0	14	8,5	200		

Flexible insulated earthing tapes and copper connectors 10-210 mm² with solderless pressed contact areas



Construction and applications

Manufactured by flexible PVC-extruded braided copper tapes with solderless pressed contact areas made out of seamless Cu-ETP-tubes. The crimping process is realized without using additives like tin or soldering and welding additives.

We use exclusively materials of same analysis and same conductivity of 57 S (braids and tubes). So the hereby used druseidtpress technology guarantee a extreme compressing and a optimal contact resistance by compressing the wires so much, that no harmful gases or other environmental influences can go inside. By using our connectors you can be sure to have a very well and optimized contact resistance. Caused by the technical characteristics of the insulating material and the flexibility of the braids the connectors offer multifarious applications inside switchgears or control panel devices up to app. 730 A as well as earthing connections.

Technical data

Electrical conductor

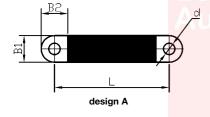
- braided copper tapes made out of Cu-ETP-wires
- · annealed, uncoated wires
- wire-Ø 0,15 mm (10/16 mm²)
- wire-Ø 0,20 mm (25-210 mm²)

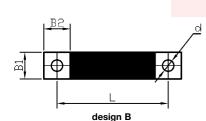
Contact areas

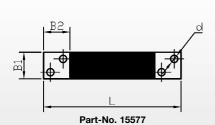
- seamless copper tube made out of Cu-ETP material
- surface uncoated or tinned

Insulation

- special vinyl compound
- black, free of lead
- self-extinguishing acc. to UL 94 VO
- elasticity 365%
- dielectric strength 20 kV/mm
- operating voltage max. 1 kV
- operating temperature -20° C up to +105° C







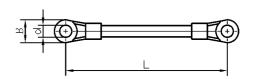
Part-No.			tech	nical	data				
Ч			cross-section	current-load		dim	ensions	mm	
Ш	design A	design B	mm²		B ₁	B ₂	ca. s	d	L
	15415	15560	10	75-105 A	12	12	3,0	5,5	
	15416	15561	16	100-150 A	15	15	3,3	6,5	
	15417	15562	25	145-210 A	20	20	3,8	9	
	15418	15563	25	145-210 A	25	25	3,5	9	'
	15419	15564	35	170-250 A	20	20	4,3	9	δ
	15420	15565	35	170-250 A	25	25	3,6	9	wishes
	15421	15566	50	205-300 A	25	25	4,7	9	έ
	15422	15567	50	215-310 A	30	30	4,3	11	custumers
	15423	15568	70	245-355 A	25	25	6,0	9	Ĕ
	15424	15569	70	245-355 A	30	30	5,0	11	stı
	15425	15570	70	270-390 A	35	35	5,4	11	
	15426	15571	70	270-390 A	40	40	5,2	14	\$
	15427	15572	100	325-470 A	35	35	6,1	11	acc.
	15428	15573	100	325-470 A	40	40	7,2	14	a
	15429	15574	120	375-540 A	40	40	8,0	14	
	-	15575	140	405-580 A	40	40	8,6	14	
	-	15576	210	505-730 A	40	40	9,8	14	
	-	15577	210	505-730 A	50	50	8,0	14	

Remark:

Manufacturing acc. to the customers wishes in large as well as small quantities. Uncoated braid and uncoated contact areas are standard. But on request with tinned contact areas and bare braid or with changed drill holes deliverable. By ordering the design with tinned contact areas it is necessary to add the word tinned behind the part-No. (e.g. 15570 tinned). All information about current load are approximate values in consideration of the cables heat for single laying of air cooled cables and ambient temperature +35° C. Minimum value = conductor temperature app. +65° C. Maximum value conductor temperature app. +90° C. The temperature of the conductor is in dependent on the installation, the application, the cooling, the ambient temperature etc., so that if necessary reducing factors are to be considered. With pleasure our employees assist your company in finding optimal solutions.



Flexible connectors 10-300 mm² manufactured by highly flexible round stranded copper cables





Construction

Manufactured by highly flexible uncoated or tinned copper cables with a wire-Ø of 0,07 mm (10-16 mm²) resp. 0,10 mm (25-300 mm²).

Design A: with terminals acc. to DIN 46234

Design B: with tubular cable lugs

Manufacturing in large as well as small quantities in length acc. to your wishes. On request it is also possible to order an insulated design (e.g. with PVC-, silicone- or shrinking tubes). With changed drilling on request. When placing an order please specify the length and the wished changes.

	Part	technical data				
			cross-section dimensions mm			mm
	uncoated	tinned	mm²	В	d	L
	15240	15240 vz	10	11	6,5	T
	15241	15241 vz	16	14	8,5	
	15242	15242 vz	25	16	8,5	
	15243	15243 vz	35	16	8,5	
⋖	15244	15244 vz	50	18	10,5	
g	15245	15245 vz	70	22	10,5	
design	15246	15246 vz	95	24	13	
ŏ	15247	15247 vz	120	24	13	
	15248	15248 vz	150	30	13	wishes
	15249	15249 vz	185	36	17	is
	15250	15250 vz	240	38	17	>
	15251	15251 vz	300	50	21	acc. to custumers
						Ę
	15260	15260 vz	10	11	6,5	Sn
	15261	15261 vz	16	15	8,5	0
	15262	15262 vz	25	16	8,5	o.
	15263	15263 vz	35	19	8,5	ä
B	15264	15264 vz	50	22	10,5	
ᡖ	15265	15265 vz	70	25	10,5	
design	15266	15266 vz	95	29	13	
ŏ	15267	15267 vz	120	31	13	
	15268	15268 vz	150	36	13	
	15269	15269 vz	185	38	17	
	15270	15270 vz	240	43	17	
	15271	15271 vz	300	49	21	

Highly flexible earthing ropes with green/yellow insulation colour



Construction

Manufactured by highly flexible uncoated round stranded copper cables with a wire-Ø of 0,07 mm (2,5-16 mm²) resp. 0,10 mm (25-50 mm²) with solderless pressed terminals acc. to DIN 46234 at the ends.

Manufacturing in large as well as small quantities in length acc. to your wishes. With changed drilling or other cross-sections on request. When placing an order please specify the length and the wished changes.

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D D	L

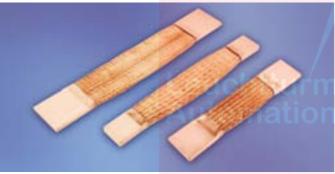
Part-No.	technical data						
	cross-section dimensions r			s mm			
	mm²	В	B d L				
13000	2,5	10	5,3				
13001	6	11	6,5	- h S			
13002	10	11	6,5	ust			
13003	16	14	8,5	0.8			
13004	25	16	8,5	c. t ers			
13005	35	16	8,5	acc. to custu- mers wishes			
13006	50	18	10,5				

Highly flexible copper connectors in solderless pressed design

Construction and applications

Druseidt-connectors are extremely flexible and are made out of highly flexible wires with a diameter of 0,07 or 0,10 mm. They are equipped with solderless pressed contact areas on both ends. The material of the contact areas is a seamless CU-ETP-tube. The hereby used druseidt-press technology guarantees extreme compressing and an optimal contact-resistance. As an opposite of the typical method by using terminal lugs this procedure makes a fully pressed braidintegrated contact-area. Through the very high pressure the space which contains air between the wires is so much compressed, that no harmful gases or other environmental influences can go inside.

The crimping process is realized without using additives like tin or soldering and welding additives. We use exclusively materials of same analysis and same conductivity of 57 S (braids and tubes). Our connectors are used nearly in all kinds of applications for high current transfer. They have become particularly well established as connectors in switchgears and between transformers, generators, switching devices and prefabricated power networks, because they can compensate expansions caused by an increase of temperature as well as movements caused by a vibration of switchgears, transformers, generators etc.



Copper connectors non insulated



Copper connectors with standard PVC insulation



Copper connectors liquid resistance insulated

Remarks:

Standard design

Bare E-Copper braid, highly flexible (wire-Ø 0,07/0,10 mm) with solderless pressed contact areas made out of uncoated, seamless copper tubes.

Drilling

Standard design without drilling. On request drilling acc. to druseidt-type I-III or customers wishes.

Length

Acc. to customers wishes

Special design

Made out of tinned braid or with coated contact areas (tin-, nickel-, silver- or gold-plated).
Width of the contact areas up to 200 mm on request.

Insulation

On request also in insulated design deliverable. Standard material is a PVC-tube, other materials like silicone, glass fibre- or shrinking tubes etc. on request.

Liquid resistance

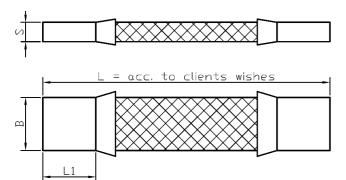
With protected insulation against liquids on request.

When placing an order please specify:

- druseidt-Part-No.
- total length
- if drilling is needed either druseidt design I-III or acc. to your drawing or sketches
- if insulation tubes are needed please add the word insulated behind the part-no. If you need another insulation material like PVC please specify this in your order.
- If you need an additional protection against splash water please add the remark with liquid resistance
 tubo



Highly flexible copper connectors In solderless pressed design 25-4500 mm²



Technical data

braids

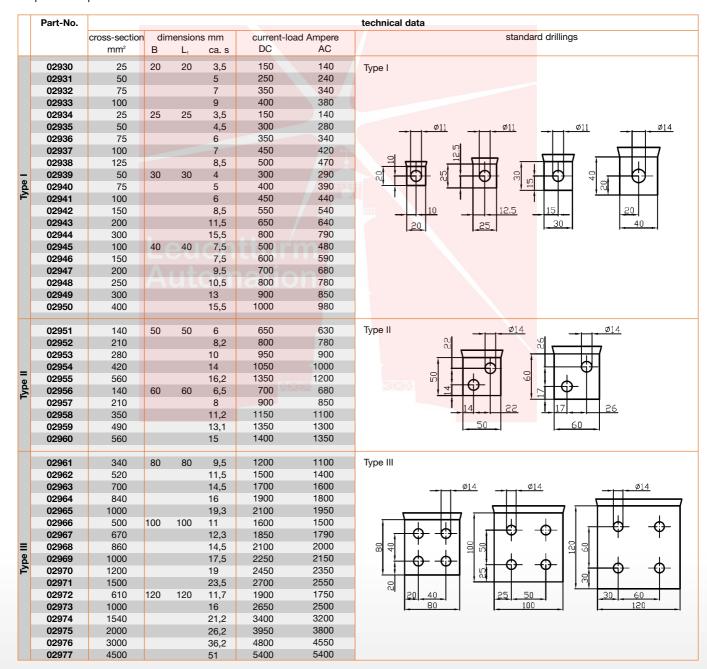
- made out of annealed Cu-ETP wires
- · uncoated surface is standard
- tinned surface on request
- wire-Ø 0,10 mm

contact areas

- seamless Cu-ETP-tube
- uncoated surface is standard
- tin-, nickel-, silver-coated surface on request

Insulation

- PVC-tube (standard)
- Silicone-, glass-fibre-, shrinking tubes or others on request



Remark:

All information about current-load are approximate values for a non insulated design. The reducing factor for an insulated design depending on the application is between 15-20 %. Please notice that the temperature of the conductor

is in dependent on the installation, the application, the cooling, the ambient temperature etc. So that if necessary reducing factors are to be considered. With pleasure our employees assist your company in finding optimal solutions.







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