teknolabor®

ELEKTRİK SAN. ve TİC. LTD. ŞTİ.

www.teknolabor.com

ING

teknolabor®

ABOUT US

Teknolabor, intend to manufacture side-industry production for electronics and electrics sector had been established in 1966. But with the directions of continuous progressing technologies and new philosophies, it had chosen the way to become an expert in a single field. In this way, it had solely headed towards the electrics sector; with improving and renewing its product spectrum it had became a specialistat manufacturing flexible cables.

Teknolabor, intend to sell products abroad, had previously utilized from marketing experts; after that, with the market conditions which bring on development and expansion it had actually begun to export to Europe and Middle-East beginning from 1999.

Teknolabor, with documenting its quality management system, formed before hand, in 2003; had proved that it has been working at world standart both in product and service quality and with the environmental protection conscious.

Teknolabor, while performing the changeable needs and expectations of its clients in flexible cable manufacturing; with its developing quality understanding, honesty experience and the acquired technology it goes on to be the pioneer in its sector.

teknolabor®

Braided copper tapes - *highly flexible*

Tecnical data

material
* 0,05 - 0,07 - 0,10 mm annealed Cu ETP1 wires uncoated or tinned

delivery
* plastic reels, in rings, on spools or wooden drums

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	Construction			Weight kg/100m
			wire dia. mm	number of wires	width thickness mm	
SFO-0010-05	KFO-0010-05	1	0,05	16 x 32	3,2 x 0,7	1,50
SFO-0015-07	KFO-0015-07	1,5	0,07	16 x 25	4 x 1	1,70
SFO-0020-07	KFO-0020-07	2	0,07	16 x 33	5 x 0,8	2,20
SFO-0025-07	KFO-0025-07	2,5	0,07	24 x 27	5,8 x 1	2,70
SFO-0040-07	KFO-0040-07	4	0,07	24 x 43	8,2 x 1	4,25
SFO-0060-07	KFO-0060-07	6	0,07	24 x 66	10 x 1	6
SFO-0100-10	KFO-0100-10	10	0,10	24 x 54	13,8 x 1,3	10
SFO-0160-10	KFO-0160-10	16	0,10	24 x 85	18 x 2	16
SFO-0250-10	KFO-0250-10	25	0,10	24 x 135	20 x 2,4	25
SFO-0350-10	KFO-0350-10	35	0,10	32 x 139	26 x 2,3	35
SFO-0500-10	KFO-0500-10	50	0,10	48 x 133	33 x 2,8	50
SFO-0700-10	KFO-0700-10	70	0,10	48 x 186	38 x 3	70
SFO-0950-10	KFO-0950-10	95	0,10	48 x 256	45 x 4,5	95
SFO-1200-10	KFO-1200-10	120	0,10	48 x 320	50 x 4,5	120
SFO-1400-10	KFO-1400-10	140	0,10	48 x 373	55 x 5,3	140
SFO-1680-10	KFO-1680-10	168	0,10	48 x 446	70 x 4,5	168

Construction and application

These tapes are manufactured from annealed or tinned Cu-ETP1 wires (from 0,05mm to 0,10mm diameter) according to DIN EN 13602 as flat rolled tubes.
It is also possible to produce these braids according to your wishes. These braids are mainly used as highly flexible components for earthing, lightning protection as well as parts to manufacture highly flexible current connectors.

Braided copper tapes - *flexible*

Tecnical data

material
* 0,20 mm annealed Cu ETP1 wires uncoated or tinned

insulation
* noninsulated or PVC insulated

delivery
* plastic reels, in rings, on spools or wooden drums

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	Construction			Weight kg/100m
			wire dia. mm	number of wires	width thickness mm	
SO-0100-20	KO-0100-20	10	0,20	24 X 13	13 x 1,2	10
SO-0160-20	KO-0160-20	16	0,20	24 X 34	20 x 1,6	16
SO-0250-20	KO-0250-20	25	0,20	24 X 52	22 x 2,5	25
SO-0350-20	KO-0350-20	35	0,20	32 X 54	24 x 3	35
SO-0500-20	KO-0500-20	50	0,20	32 X 78	30 x 3,4	50
SO-0700-20	KO-0700-20	70	0,20	48 X 72	35 x 4,5	70
SO-0100-20	KO-0100-20	10	0,20	32 X 10	14 x 1,3	10
SO-0160-20	KO-0160-20	16	0,20	32 X 16	17 x 1,6	16
SO-0250-20	KO-0250-20	25	0,20	32 X 25	20 x 2,6	25
SO-0350-20	KO-0350-20	35	0,20	32 X 35	24 x 3	35
SO-0500-20	KO-0500-20	50	0,20	48 X 33	33 x 3,2	50
SO-0700-20	KO-0700-20	70	0,20	48 X 47	35 x 4,5	70
SO-0950-20	KO-0950-20	95	0,20	48 X 63	35 x 5	95
SO-1200-20	KO-1200-20	120	0,20	36 X 107	35 x 6,8	120
SO-1500-20	KO-1500-20	150	0,20	48 X 100	38 x 7,9	150
SO-1850-20	KO-1850-20	185	0,20	48 X 123	40 x 9	185
SO-2400-20	KO-2400-20	240	0,20	48 X 160	40 x 12	240

Construction and application

The principal diffrence compared to highly flexible ones is the stronger wires (0,20 mm) that are used.

They are used where you do not need special flexibility as ground braiding tapes for batteries. Our ready assembled earthing tapes are also manufactured from these tapes. Bigger cross-section are available on request.

Round stranded copper cables

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	Construction		Weight kg/100m
			wire dia. mm	outer dia. mm	
SBO-0060	KBO-0060	6	acc. to custumers' wishes	4	6
SBO-0100	KBO-0100	10		4,5	10
SBO-0160	KBO-0160	16		5,8	16
SBO-0250	KBO-0250	25		7,5	25
SBO-0350	KBO-0350	35		9	35
SBO-0500	KBO-0500	50		11	50
SBO-0700	KBO-0700	70		13	70
SBO-0950	KBO-0950	95		15	95
SBO-1200	KBO-1200	120		17	120
SBO-1500	KBO-1500	150		19	150
SBO-1850	KBO-1850	185		21	185
SBO-2400	KBO-2400	240		22,5	240
SBO-3000	KBO-3000	300		25,5	300
SBO-4000	KBO-4000	400		33,5	400
SBO-5000	KBO-5000	500		38	500

Tecnical data

material: *0,15 mm - 0,85 mm annealed Cu ETP1 wires
*uncoated or tinned
delivery: *plastic reels, in rings, on spools or wooden drums

Construction and application

These cables are manufactured out of wires that have a stronger diameters than 0,10 mm. They can be used for all applications where you need more mechanical stability than higher flexibility.

Round stranded cables with overall copper braids - similar to DIN 46440

UNCOATED Part-No	Cross sec. mm²	Construction number of wires x diameter		diameter of cable mm	Weight kg/100m
		ro. stranded	braided		
SFYO-0010	1	266 x 0,05	64 x 0,10	1,5	1,00
SFYO-0015	1,5	525 x 0,05	64 x 0,10	2	1,60
SFYO-0025	2,5	651 x 0,007	64 x 0,10	2,9	2,90
SFYO-0040	4	1036 x 0,007	64 x 0,10	3,6	4,60
SFYO-0060	6	1575 x 0,007	96 x 0,10	4,5	6,90
SFYO-0080	8	2058 x 0,007	96 x 0,10	5	9,40
SFYO-0100	10	2562 x 0,007	128 x 0,10	5,5	12,0
SFYO-0160	16	4116 x 0,007	192 x 0,10	7	19,50
SFYO-0250	25	3234 x 0,10	192 x 0,10	8,9	27,50
SFYO-0350	35	4508 x 0,10	240 x 0,10	10,5	41,0
SFYO-0500	50	6468 x 0,10	360 x 0,10	12,5	58,0
SFYO-0700	70	8967 x 0,10	360 x 0,10	14,7	81,0
SFYO-0950	95	12201 x 0,10	360 x 0,10	16,5	108,0
SFYO-1200	120	15435 x 0,10	360 x 0,10	19	134,0

Tecnical data

material: *0,05 - 0,07 - 0,10 mm annealed Cu ETP1 wires
*uncoated
delivery: *plastic reels, in rings, on spools or wooden drums

Construction and application

These cables are a combination of an inner stranded cable that has an outer tubular braid to provide a hihger mecanical stability. The overall tubular braid keeps the cable together against a probable decay caused by sreial movements. The overall tubular braid provides also a higher cross-section then the nominal value.

Tubular braids for covering and shielding

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	Construction	
			diameter and no. of wires	outer dia.(mm) min-max
STO-0025-10	KTO-0025-10	0,25	16 X 2 - 0,10	0,7 - 3
STO-0038-10	KTO-0038-10	0,38	16 X 3 - 0,10	0,8 - 3
STO-0050-10	KTO-0050-10	0,50	16 X 4 - 0,10	1,0 - 4
STO-0088-10	KTO-0088-10	0,88	16 X 7 - 0,10	1,5 - 6
STO-0132-10	KTO-0132-10	1,32	24 X 7 - 0,10	2,8 - 8
STO-0198-10	KTO-0198-10	1,98	36 X 7 - 0,10	4,0 - 12
STO-0310-10	KTO-0310-10	3,10	36 X 11 - 0,10	6,0 - 14
STO-0530-20	KTO-0530-20	5,30	24 X 7 - 0,20	5,0 - 10
STO-0680-20	KTO-0680-20	6,80	24 X 9 - 0,20	6,5 - 14
STO-0790-20	KTO-0790-20	7,90	36 X 7 - 0,20	8,5 - 25
STO-1020-20	KTO-1020-20	10,20	36 X 9 - 0,20	10,0 - 27
STO-1245-20	KTO-1245-20	12,45	36 X 11 - 0,20	12,0 - 29
STO-1530-30	KTO-1530-30	15,30	24 X 9 - 0,30	14,0 - 50
STO-3580-30	KTO-3580-30	35,80	36 X 14 -0,30	25,0 - 70
STO-5110-30	KTO-5110-30	51,10	48 X 15 - 0,30	25,0 - 90

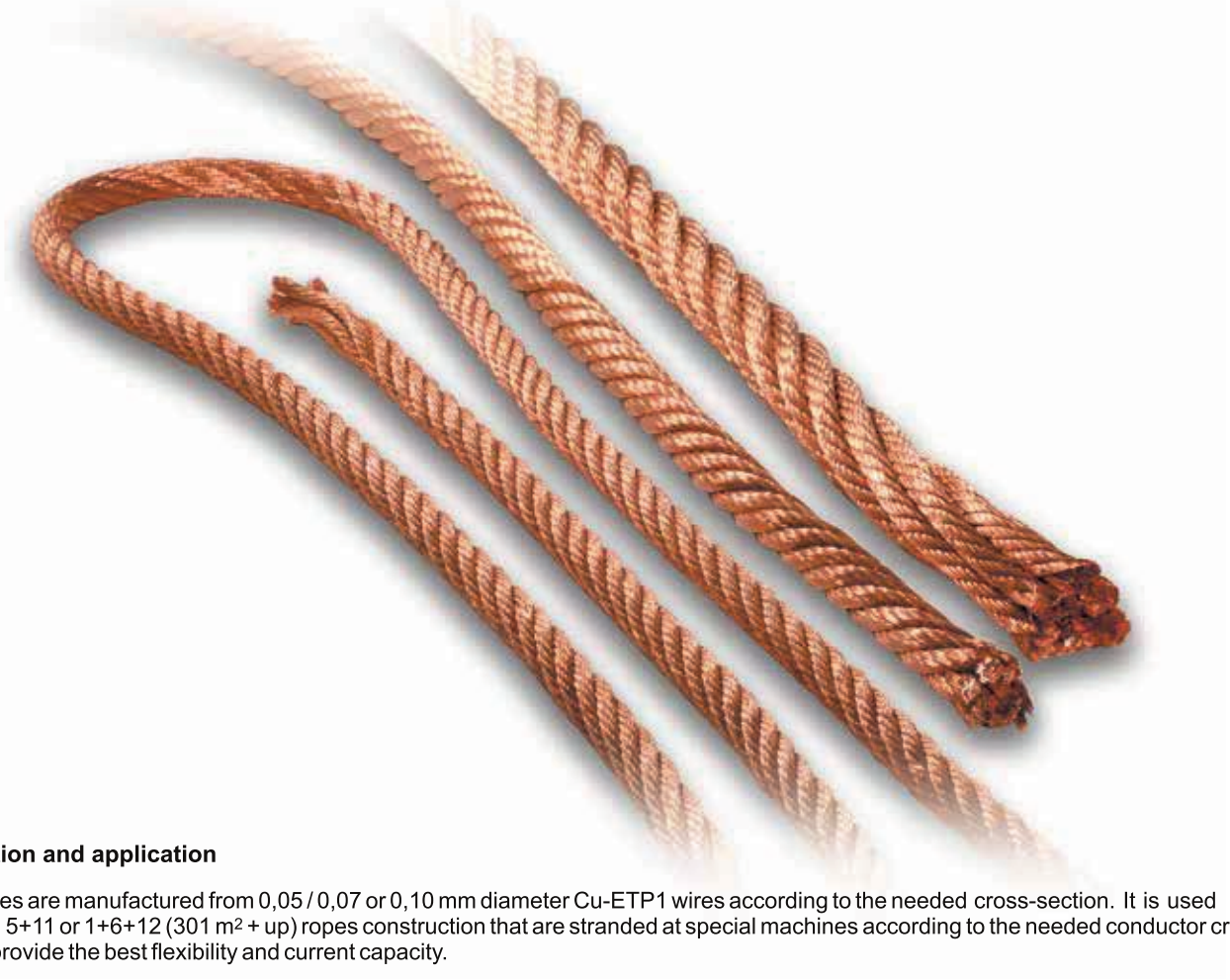
Tecnical data

material: *0,10 - 0,30 mm annealed Cu ETP1 wires
*uncoated or tinned
delivery: *plastic reels, in rings, on spools or wooden drums

Construction and application

We produce tubular braids for covering your conductors and shielding your cables against interferences to realize a safe data transfer. Our wide range of diameter choices provides you a simple coordination by applying on your items. We can also produce speacial designs in diameters according to your wishes.

Highly flexible round stranded copper cables - similar to DIN 46438



Construction and application

These cables are manufactured from 0,05 / 0,07 or 0,10 mm diameter Cu-ETP1 wires according to the needed cross-section. It is used 1+6 (1-300 m²), 5+11 or 1+6+12 (301 m² + up) ropes construction that are stranded at special machines according to the needed conductor cross-section to provide the best flexibility and current capacity.

With providing higher flexibility caused by using thin wires and the bigger cross-section with small dimensions because of the construction system , they are well suited into small places , which also require movements and higher current capacity as well.

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	Construction		Weight
			diameter and no. of wires	outer dia. mm	kg/100m
SDYO-0010	KDYO-0010	1	512 X 0,05	1,5	1
SDYO-0015	KDYO-0015	1,5	392 X 0,07	1,9	1,7
SDYO-0025	KDYO-0025	2,5	651 X 0,07	2,4	2,7
SDYO-0040	KDYO-0040	4	1036 X 0,07	3,1	4
SDYO-0060	KDYO-0060	6	1561 X 0,07	4	6
SDYO-0080	KDYO-0080	8	2100 X 0,07	4,2	8
SDYO-0100	KDYO-0100	10	2604 X 0,07	4,5	10
SDYO-0160	KDYO-0160	16	4200 X 0,07	5,7	16
SDYO-0250	KDYO-0250	25	3192 X 0,10	7,5	25
SDYO-0350	KDYO-0350	35	4480 X 0,10	9	35
SDYO-0500	KDYO-0500	50	6383 X 0,10	11	50
SDYO-0700	KDYO-0700	70	8918 X 0,10	13	70
SDYO-0950	KDYO-0950	95	12100 X 0,10	15	100
SDYO-1200	KDYO-1200	120	15300 X 0,10	17	127
SDYO-1500	KDYO-1500	150	19152 X 0,10	19	158
SDYO-1850	KDYO-1850	185	23580 X 0,10	21	194
SDYO-2400	KDYO-2400	240	30600 X 0,10	23,5	247
SDYO-3000	KDYO-3000	300	38200 X 0,10	27,5	310
SDYO-4000	KDYO-4000	400	50960 X 0,10	33	410
SDYO-5000	-	500	64288 X 0,10	38	508
SDYO-6000	-	600	76832 X 0,10	43	600
SDYO-7500	-	750	95648 X 0,10	46	750
SDYO-8500	-	850	108976 X 0,10	48	850
SDYO-1000	-	1000	128576 X 0,10	54	1010

Tecnical data

material
* annealed Cu ETP1 wires
* uncoated or tinned
* wire 0,05 mm ----- 1 mm²
  wire 0,07 mm ----- 1,5 mm² - 16 mm²
  wire 0,10 mm ----- 25 mm² - 1000 mm²

delivery
* plastic reels, in rings, on spools or wooden drums

Highly flexible round braided copper cables

Construction and application

These braids are manufactured from annealed or tinned Cu-ETP 1 wires according to DIN EN 13602. The wires are bunched together after the needed cross-section is calculated. Unlike the flexible braided tapes, bunches of wires are braided with machines that have 8/12 carries so that they have a round shape.

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	Construction		Weight
			diameter and no. of wires	outer dia. mm	kg/100m
STYO-0035-05	KTYO-0035-05	0,35	8 X 23 - 0,05	0,95	0,35
STYO-0050-05	KTYO-0050-05	0,5	8 X 32 - 0,05	1,1	0,5
STYO-0075-05	KTYO-0075-05	0,75	8 X 48 - 0,05	1,35	0,75
STYO-0100-05	KTYO-0100-05	1	8 X 64 - 0,05	1,6	1
STYO-0150-07	KTYO-0150-07	1,5	12 X 33 - 0,07	1,9	1,5
STYO-0200-07	KTYO-0200-07	2	12 X 44 - 0,07	2,2	2
STYO-0250-07	KTYO-0250-07	2,5	12 X 54 - 0,07	2,4	2,5
STYO-0300-10	KTYO-0300-10	3	12 X 65 - 0,10	2,7	3
STYO-0400-10	KTYO-0400-10	4	12 X 86 - 0,10	3,1	4
STYO-0600-10	KTYO-0600-10	6	12 X 130 - 0,10	4	6
STYO-0800-10	KTYO-0800-10	8	12 X 174 - 0,10	4,5	8
STYO-1000-10	KTYO-1000-10	10	12 X 217 - 0,10	5	10
STYO-1200-10	KTYO-1200-10	12	12 X 260 - 0,10	5,5	12
STYO-1600-20	KTYO-1600-20	16	12 X 170 - 0,20	6,3	16
STYO-2100-20	KTYO-2100-20	21	12 X 223 - 0,20	7,2	21
STYO-2500-20	KTYO-2500-20	25	12 X 266 - 0,20	7,9	25
STYO-3500-20	KTYO-3500-20	35	12 X 145 - 0,20	9,7	35
STYO-5000-20	KTYO-5000-20	50	12 X 207 - 0,20	12	50
STYO-7000-20	KTYO-7000-20	70	12 X 290 - 0,20	14,5	70
STYO-9500-20	KTYO-9500-20	95	12 X 394 - 0,20	17	95

Tecnical data

material
* 0,05 mm - 0,20 mm annealed Cu ETP1 wires
* uncoated or tinned

delivery
* plastic reels, in rings, on spools or wooden drums

Flexible copper connectors

Constructions and applications

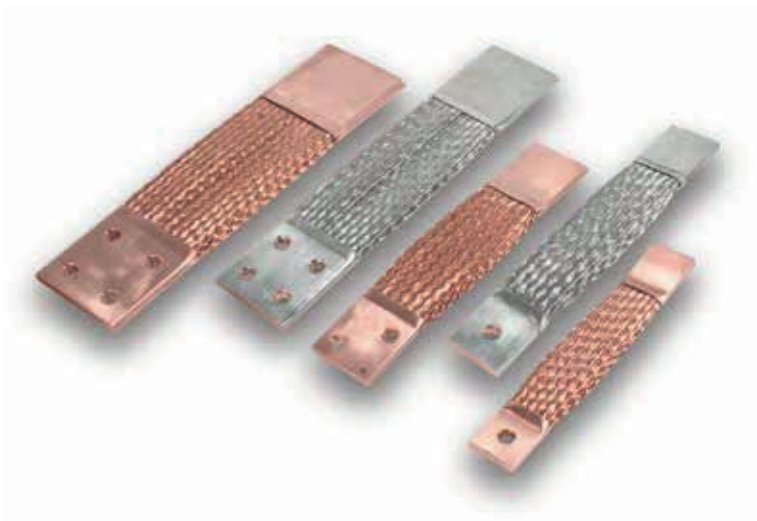
These connectors are manufactured from highly flexible tapes , which are braided from annealed Cu-ETP wires, and solderless contact areas pressed from seamless Cu-ETP tubes.

Except bare wires and uncoated contact areas, we also manufacture these parts from tinned wires and tin coated contact areas.

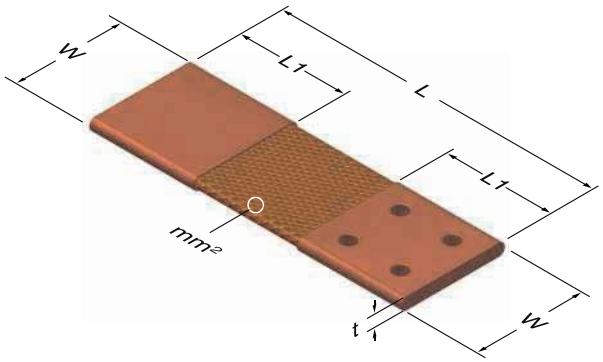
You can also ask for L or U shapes except than straight shape. It is possible to manufacture contact areas and the laps according to customers' special designs.

You are totally free to choose the drilling type and hole diameter as you wish.

If insulation is needed, there are choices as PVC, silicone or heat shrinking tubes as well as extruded PVC.



Flexible copper connectors with solderless pressed contact areas (50mm²- 4500mm²)



Tecnical data

braids

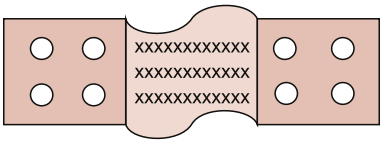
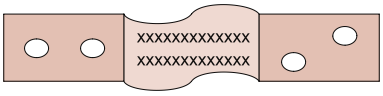
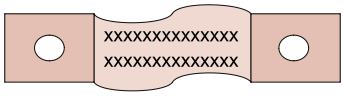
* 0,10 - 0,20 mm annealed Cu ETP wires , uncoated or tinned

contact areas

* seamless Cu ETP tubes , uncoated - tinned or silver coated
* solderless pressed

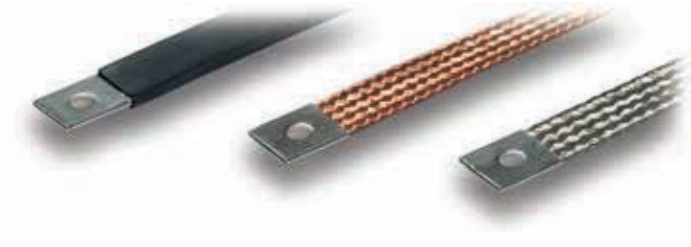
insulation

* non-insulated or insulated (PVC , shrinking or silicone tubes)

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	DIMENSIONS W mm	L1 mm	t mm	L mm	Currentload ampere DC	AC	Standard designs
SF-12055	KF-12055	4500	120	120	55	acc. to custumers' wishes	5400	5200	
SF-12036	KF-12036	3000	120	120	36		4800	4500	
SF-12030	KF-12030	2000	120	120	30		3900	3800	
SF-12021	KF-12021	1500	120	120	21		3400	3200	
SF-12016	KF-12016	1200	120	120	16		2900	2750	
SF-12015	KF-12015	1000	120	120	15		2650	2500	
SF-12013	KF-12013	800	120	120	13		2150	2000	
SF-12011	KF-12011	600	120	120	11		1900	1750	
SF-10024	KF-10024	1500	100	100	24		2700	2550	
SF-10017	KF-10017	1000	100	100	17		2250	2150	
SF-10015	KF-10015	800	100	100	15		2100	2000	
SF-10012	KF-10012	600	100	100	12		1820	1720	
SF-10010	KF-10010	500	100	100	10		1600	1500	
SF-10008	KF-10008	400	100	100	8		1400	1300	
SF-10006	KF-10006	300	100	100	6		1150	1060	
SF-08018	KF-08018	1000	80	80	18		2100	1950	
SF-08016	KF-08016	840	80	80	16		1900	1800	
SF-08014	KF-08014	670	80	80	14		1700	1600	
SF-08012	KF-08012	500	80	80	12		1500	1400	
SF-08010	KF-08010	400	80	80	10		1300	1200	
SF-08008	KF-08008	350	80	80	8		1200	1100	
SF-08006	KF-08006	200	80	80	6		950	860	
SF-06012	KF-06012	550	60	60	12	acc. to custumers' wishes	1400	1350	
SF-06011	KF-06011	500	60	60	11		1350	1300	
SF-06009	KF-06009	350	60	60	9		1150	1100	
SF-06007	KF-06007	200	60	60	7		900	850	
SF-06006	KF-06006	150	60	60	6		700	680	
SF-05016	KF-05016	550	50	50	16		1350	1200	
SF-05011	KF-05011	400	50	50	11		1050	1000	
SF-05009	KF-05009	250	50	50	9		900	850	
SF-05008	KF-05008	200	50	50	8		800	780	
SF-05006	KF-05006	150	50	50	6		650	630	
SF-04011	KF-04011	300	40	40	11	acc. to custumers' wishes	900	850	
SF-04010	KF-04010	250	40	40	10		800	780	
SF-04008	KF-04008	200	40	40	8		700	680	
SF-04007	KF-04007	150	40	40	7		600	590	
SF-04005	KF-04005	100	40	40	5		500	480	
SF-03011	KF-03011	200	30	30	11		650	640	
SF-03009	KF-03009	150	30	30	9		550	540	
SF-03005	KF-03005	75	30	30	5		400	390	
SF-03004	KF-03004	50	30	30	4		300	290	
SF-02509	KF-02509	125	25	25	9		500	470	
SF-02507	KF-02507	100	25	25	7		450	420	
SF-02505	KF-02505	75	25	25	5		350	340	
SF-02504	KF-02504	50	25	25	4		300	280	

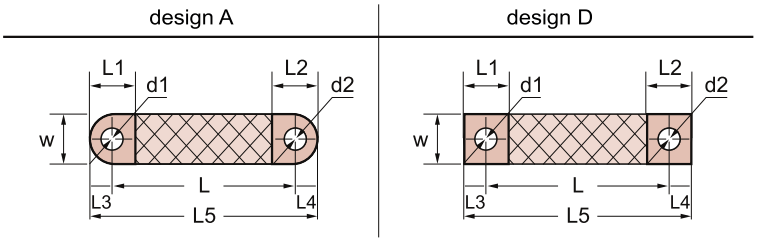
* The specifications, designs and dimensions given above are changable acc.to customers' wishes.
* All informations about current load are not binding , only approximate values for non - insulated connectors.

Insulated braided shunt - solderless pressed contact areas



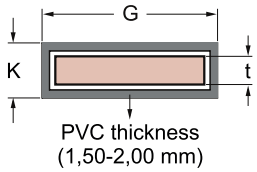
Constructions and applications

These connectors are manufactured from highly flexible tapes, which are braided from annealed Cu-ETP1 wires, and solderless contact areas pressed from seamles Cu-ETP tubes. The braided tapes and tubes are of same analysis and conductivity.
The best alternative to cable; no cutting, no crimping, flexible, pre-punched, ready to use, quick and easy to install.



Tecnical data

* **braids** : 0,20 mm annealed Cu-ETP wires , uncoated or tinned
* **contact areas** : seamless Cu-ETP tube ; tinned coated, solderless pressed
* **insulation** : Special vinyl compound
  max. working temperature: 105°C
  self-extinguishable: UL 94 VO - (UL FILE NO: E355523)
  dielectric strength: 20 kV/mm
  max. working voltage: 1000 V AC - 1500 V DC



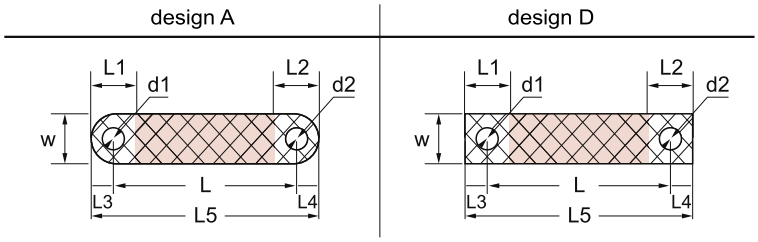
UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	DIMENSIONS L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	w mm	t mm	K mm	G mm	d1 mm	d2 mm	PACKING min. pcs
IST 025-230-10-8	IKT 025-230-10-8	25	230	25	25	11	7	248	20	3,2	7	24	10,5	8,5	10
IST 025-330-10-8	IKT 025-330-10-8	25	330	25	25	11	7	348	20	3,2	7	24	10,5	8,5	10
IST 025-430-10-8	IKT 025-430-10-8	25	430	25	25	11	7	448	20	3,2	7	24	10,5	8,5	10
IST 025-530-10-8	IKT 025-530-10-8	25	530	25	25	11	7	548	20	3,2	7	24	10,5	8,5	10
IST 025-630-10-8	IKT 025-630-10-8	25	630	25	25	11	7	648	20	3,2	7	24	10,5	8,5	10
IST 035 230-10-8	IKT 035 230-10-8	35	230	25	25	11	7	248	20	4,2	8	24	10,5	8,5	10
IST 035 330-10-8	IKT 035 330-10-8	35	330	25	25	11	7	348	20	4,2	8	24	10,5	8,5	10
IST 035 430-10-8	IKT 035 430-10-8	35	430	25	25	11	7	448	20	4,2	8	24	10,5	8,5	10
IST 035 530-10-8	IKT 035 530-10-8	35	530	25	25	11	7	548	20	4,2	8	24	10,5	8,5	10
IST 035 630-10-8	IKT 035 630-10-8	35	630	25	25	11	7	648	20	4,2	8	24	10,5	8,5	10
IST 050-230-10-8	IKT 050-230-10-8	50	230	25	25	11	7	248	20	5	9	24	10,5	8,5	10
IST 050-330-10-8	IKT 050-330-10-8	50	330	25	25	11	7	348	20	5	9	24	10,5	8,5	10
IST 050-430-10-8	IKT 050-430-10-8	50	430	25	25	11	7	448	20	5	9	24	10,5	8,5	10
IST 050-530-10-8	IKT 050-530-10-8	50	530	25	25	11	7	548	20	5	9	24	10,5	8,5	10
IST 050-630-10-8	IKT 050-630-10-8	50	630	25	25	11	7	648	20	5	9	24	10,5	8,5	10
IST 070-230-10-10	IKT 070-230-10-10	70	230	25	25	11	11	252	20	6,8	11	24	10,5	10,5	10
IST 070-330-10-10	IKT 070-330-10-10	70	330	25	25	11	11	352	20	6,8	11	24	10,5	10,5	10
IST 070-430-10-10	IKT 070-430-10-10	70	430	25	25	11	11	452	20	6,8	11	24	10,5	10,5	10
IST 070-530-10-10	IKT 070-530-10-10	70	530	25	25	11	11	552	20	6,8	11	24	10,5	10,5	10
IST 070-630-10-10	IKT 070-630-10-10	70	630	25	25	11	11	652	20	6,8	11	24	10,5	10,5	10
IST 095-230-10-10	IKT 095-230-10-10	95	230	25	25	11	11	252	25	7,5	12	29	10,5	10,5	10
IST 095-330-10-10	IKT 095-330-10-10	95	330	25	25	11	11	352	25	7,5	12	29	10,5	10,5	10
IST 095-430-10-10	IKT 095-430-10-10	95	430	25	25	11	11	452	25	7,5	12	29	10,5	10,5	10
IST 095-530-10-10	IKT 095-530-10-10	95	530	25	25	11	11	552	25	7,5	12	29	10,5	10,5	10
IST 095-630-10-10	IKT 095-630-10-10	95	630	25	25	11	11	652	25	7,5	12	29	10,5	10,5	10
IST 120-330-10-10	IKT 120-330-10-10	120	330	30	30	11	14	355	30	7,5	12	34	10,5	10,5	2
IST 120-430-10-10	IKT 120-430-10-10	120	430	30	30	11	14	455	30	7,5	12	34	10,5	10,5	2
IST 120-530-10-10	IKT 120-530-10-10	120	530	30	30	11	14	555	30	7,5	12	34	10,5	10,5	2
IST 120-630-10-10	IKT 120-630-10-10	120	630	30	30	11	14	655	30	7,5	12	34	10,5	10,5	2
IST 120-730-10-10	IKT 120-730-10-10	120	730	30	30	11	14	755	30	7,5	12	34	10,5	10,5	2
IST 120-830-10-10	IKT 120-830-10-10	120	830	30	30	11	14	855	30	7,5	12	34	10,5	10,5	2
IST 150-330-12-12	IKT 150-330-12-12	150	330	30	30	14	14	355	30	10	15	34	12,5	12,5	2
IST 150-430-12-12	IKT 150-430-12-12	150	430	30	30	14	14	455	30	10	15	34	12,5	12,5	2
IST 150-530-12-12	IKT 150-530-12-12	150	530	30	30	14	14	555	30	10	15	34	12,5	12,5	2
IST 150-630-12-12	IKT 150-630-12-12	150	630	30	30	14	14	655	30	10	15	34	12,5	12,5	2
IST 150-730-12-12	IKT 150-730-12-12	150	730	30	30	14	14	755	30	10	15	34	12,5	12,5	2
IST 150-830-12-12	IKT 150-830-12-12	150	830	30	30	14	14	855	30	10	15	34	12,5	12,5	2
IST 185-330-12-12	IKT 185-330-12-12	185	330	30	30	14	14	355	30	11	15	34	12,5	12,5	2
IST 185-430-12-12	IKT 185-430-12-12	185	430	30	30	14	14	455	30	11	15	34	12,5	12,5	2
IST 185-530-12-12	IKT 185-530-12-12	185	530	30	30	14	14	555	30	11	15	34	12,5	12,5	2
IST 185-630-12-12	IKT 185-630-12-12	185	630	30	30	14	14	655	30	11	15	34	12,5	12,5	2
IST 185-730-12-12	IKT 185-730-12-12	185	730	30	30	14	14	755	30	11	15	34	12,5	12,5	2
IST 185-830-12-12	IKT 185-830-12-12	185	830	30	30	14	14	855	30	11	15	34	12,5	12,5	2
IST 240-330-12-12	IKT 240-330-12-12	240	330	30	30	14	14	355	30	13	17	34	12,5	12,5	2
IST 240-430-12-12	IKT 240-430-12-12	240	430	30	30	14	14	455	30	13	17	34	12,5	12,5	2
IST 240-530-12-12	IKT 240-530-12-12	240	530	30	30	14	14	555	30	13	17	34	12,5	12,5	2
IST 240-630-12-12	IKT 240-630-12-12	240	630	30	30	14	14	655	30	13	17	34	12,5	12,5	2
IST 240-730-12-12	IKT 240-730-12-12	240	730	30	30	14	14	755	30	13	17	34	12,5	12,5	2
IST 240-830-12-12	IKT 240-830-12-12	240	830	30	30	14	14	855	30	13	17	34	12,5	12,5	2

TS 1980 is valid for manufacturing tolerances

Insulated braided shunt - ametal alloyed leadfree solder solidified contact areas

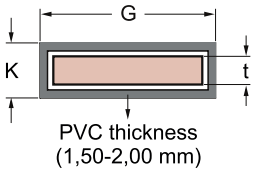
Constructions and applications

Manufactured from higly flexible tapes that are braided from annealed Cu-ETP wires, and contact areas, which are pressed to shape after solidified by immersing into alloyed lead-free solder. Applicable as component for current transfer.
The best alternative to cable; no cutting, no crimping, flexible, pre-punched, ready to use, quick and easy to install.



Tecnical data

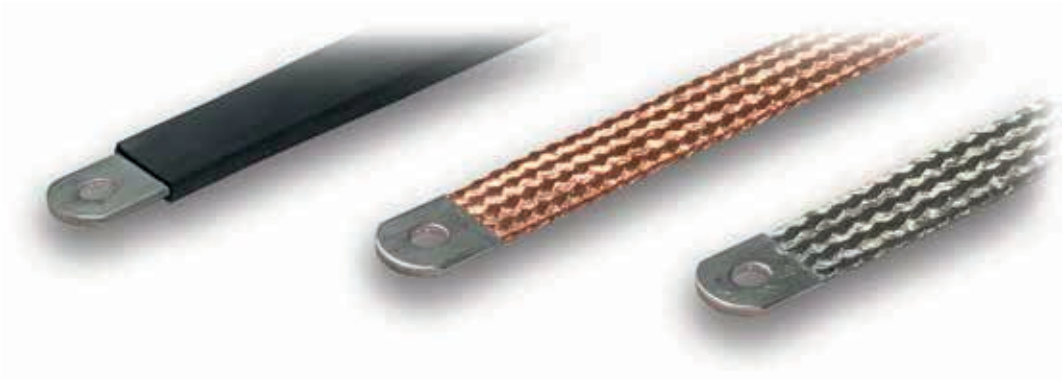
* **braids** : 0,20 mm annealed Cu-ETP wires , uncoated or tinned
* **contact areas** : ametal alloyed leadfree solidified and pressed
* **insulation** : Special vinyl compound
  max. working temperature: 105°C
  self-extinguishable: UL 94 VO - (UL FILE NO: E355523)
  dielectric strength: 20 kV/mm
  max. working voltage: 1000 V AC - 1500 V DC

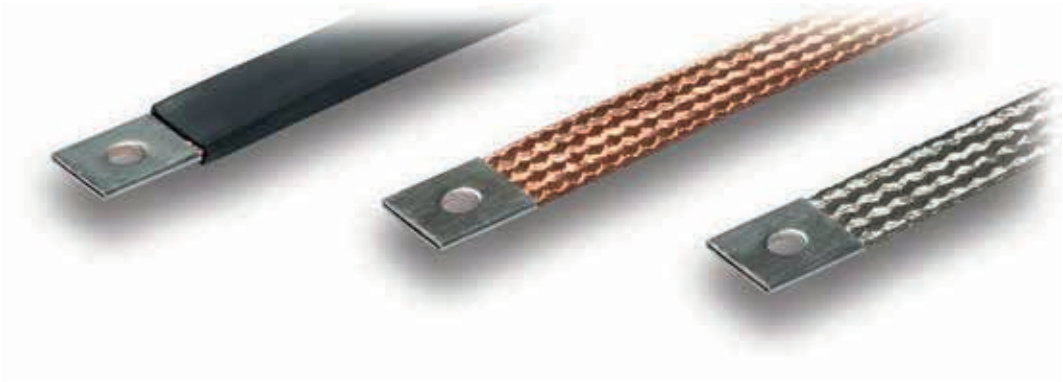


UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	DIMENSIONS L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	w mm	t mm	K mm	G mm	d1 mm	d2 mm	PACKING min. pcs
ISTL 025-230-10-8	IKTL 025-230-10-8	25	230	25	25	11	7	248	20	2	7	24	10,5	8,5	10
ISTL 025-330-10-8	IKTL 025-330-10-8	25	330	25	25	11	7	348	20	2	7	24	10,5	8,5	10
ISTL 025-430-10-8	IKTL 025-430-10-8	25	430	25	25	11	7	448	20	2	7	24	10,5	8,5	10
ISTL 025-530-10-8	IKTL 025-530-10-8	25	530	25	25	11	7	548	20	2	7	24	10,5	8,5	10
ISTL 025-630-10-8	IKTL 025-630-10-8	25	630	25	25	11	7	648	20	2	7	24	10,5	8,5	10
ISTL 035 230-10-8	IKTL 035 230-10-8	35	230	25	25	11	7	248	20	3,2	7	24	10,5	8,5	10
ISTL 035 330-10-8	IKTL 035 330-10-8	35	330	25	25	11	7	348	20	3,2	7	24	10,5	8,5	10
ISTL 035 430-10-8	IKTL 035 430-10-8	35	430	25	25	11	7	448	20	3,2	7	24	10,5	8,5	10
ISTL 035 530-10-8	IKTL 035 530-10-8	35	530	25	25	11	7	548	20	3,2	7	24	10,5	8,5	10
ISTL 035 630-10-8	IKTL 035 630-10-8	35	630	25	25	11	7	648	20	3,2	7	24	10,5	8,5	10
ISTL 050-230-10-8	IKTL 050-230-10-8	50	230	25	25	11	7	248	20	4,5	8	24	10,5	8,5	10
ISTL 050-330-10-8	IKTL 050-330-10-8	50	330	25	25	11	7	348	20	4,5	8	24	10,5	8,5	10
ISTL 050-430-10-8	IKTL 050-430-10-8	50	430	25	25	11	7	448	20	4,5	8	24	10,5	8,5	10
ISTL 050-530-10-8	IKTL 050-530-10-8	50	530	25	25	11	7	548	20	4,5	8	24	10,5	8,5	10
ISTL 050-630-10-8	IKTL 050-630-10-8	50	630	25	25	11	7	648	20	4,5	8	24	10,5	8,5	10
ISTL 070-230-10-10	IKTL 070-230-10-10	70	230	25	25	11	11	252	20	5,5	9	24	10,5	10,5	10
ISTL 070-330-10-10	IKTL 070-330-10-10	70	330	25	25	11	11	352	20	5,5	9	24	10,5	10,5	10
ISTL 070-430-10-10	IKTL 070-430-10-10	70	430	25	25	11	11	452	20	5,5	9	24	10,5	10,5	10
ISTL 070-530-10-10	IKTL 070-530-10-10	70	530	25	25	11	11	552	20	5,5	9	24	10,5	10,5	10
ISTL 070-630-10-10	IKTL 070-630-10-10	70	630	25	25	11	11	652	20	5,5	9	24	10,5	10,5	10
ISTL 095-230-10-10	IKTL 095-230-10-10	95	230	25	25	11	11	252	25	7	11	29	10,5	10,5	10
ISTL 095-330-10-10	IKTL 095-330-10-10	95	330	25	25	11	11	352	25	7	11	29	10,5	10,5	10
ISTL 095-430-10-10	IKTL 095-430-10-10	95	430	25	25	11	11	452	25	7	11	29	10,5	10,5	10
ISTL 095-530-10-10	IKTL 095-530-10-10	95	530	25	25	11	11	552	25	7	11	29	10,5	10,5	10
ISTL 095-630-10-10	IKTL 095-630-10-10	95	630	25	25	11	11	652	25	7	11	29	10,5	10,5	10
ISTL 120-330-10-10	IKTL 120-330-10-10	120	330	30	30	11	14	355	30	7	11	34	10,5	10,5	2
ISTL 120-430-10-10	IKTL 120-430-10-10	120	430	30	30	11	14	455	30	7	11	34	10,5	10,5	2
ISTL 120-530-10-10	IKTL 120-530-10-10	120	530	30	30	11	14	555	30	7	11	34	10,5	10,5	2
ISTL 120-630-10-10	IKTL 120-630-10-10	120	630	30	30	11	14	655	30	7	11	34	10,5	10,5	2
ISTL 120-730-10-10	IKTL 120-730-10-10	120	730	30	30	11	14	755	30	7	11	34	10,5	10,5	2
ISTL 120-830-10-10	IKTL 120-830-10-10	120	830	30	30	11	14	855	30	7	11	34	10,5	10,5	2
ISTL 150-330-12-12	IKTL 150-330-12-12	150	330	30	30	14	14	355	30	9	13	34	12,5	12,5	2
ISTL 150-430-12-12	IKTL 150-430-12-12	150	430	30	30	14	14	455	30	9	13	34	12,5	12,5	2
ISTL 150-530-12-12	IKTL 150-530-12-12	150	530	30	30	14	14	555	30	9	13	34	12,5	12,5	2
ISTL 150-630-12-12	IKTL 150-630-12-12	150	630	30	30	14	14	655	30	9	13	34	12,5	12,5	2
ISTL 150-730-12-12	IKTL 150-730-12-12	150	730	30	30	14	14	755	30	9	13	34	12,5	12,5	2
ISTL 150-830-12-12	IKTL 150-830-12-12	150	830	30	30	14	14	855	30	9	13	34	12,5	12,5	2
ISTL 185-330-12-12	IKTL 185-330-12-12	185	330	30	30	14	14	355	30	10	14	34	12,5	12,5	2
ISTL 185-430-12-12	IKTL 185-430-12-12	185	430	30	30	14	14	455	30	10	14	34	12,5	12,5	2
ISTL 185-530-12-12	IKTL 185-530-12-12	185	530	30	30	14	14	555	30	10	14	34	12,5	12,5	2
ISTL 185-630-12-12	IKTL 185-630-12-12	185	630	30	30	14	14	655	30	10	14	34	12,5	12,5	2
ISTL 185-730-12-12	IKTL 185-730-12-12	185	730	30	30	14	14	755	30	10	14	34	12,5	12,5	2
ISTL 185-830-12-12	IKTL 185-830-12-12	185	830	30	30	14	14	855	30	10	14	34	12,5	12,5	2
ISTL 240-330-12-12	IKTL 240-330-12-12	240	330	30	30	14	14	355	30	13	17	34	12,5	12,5	2
ISTL 240-430-12-12	IKTL 240-430-12-12	240	430	30	30	14	14	455	30	13	17	34	12,5	12,5	2
ISTL 240-530-12-12	IKTL 240-530-12-12	240	530	30	30	14	14	555	30	13	17	34	12,5	12,5	2
ISTL 240-630-12-12	IKTL 240-630-12-12	240	630	30	30	14	14	655	30	13	17	34	12,5	12,5	2
ISTL 240-730-12-12	IKTL 240-730-12-12	240	730	30	30	14	14	755	30	13	17	34	12,5	12,5	2
ISTL 240-830-12-12	IKTL 240-830-12-12	240	830	30	30	14	14	855	30	13	17	34	12,5	12,5	2

TS 1980 is valid for manufacturing tolerances

Earthing tapes with solderless pressed contact areas





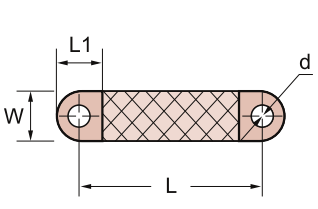
Constructions and applications

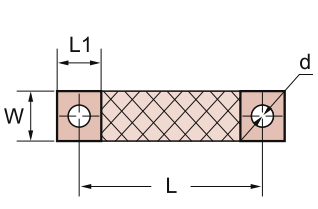
These connectors are manufactured from highly flexible tapes, which are braided from annealed Cu-ETP1 wires, and solderless contact areas pressed from seamles Cu-ETP tubes. The braided tapes and tubes are of same analysis and conductivity. No additives are used at the process of pressing the contact areas. Applicable as earthing tape where needed and everywhere as component for current transfer.

Tecnical data

* **braids** : 0,07 - 0,20 mm annealed Cu-ETP wires , uncoated or tinned
* **contact areas** : seamless Cu-ETP tube ; uncoated - tinned or silver coated, solderless pressed
* **insulation** : non-insulated or insulated (shrinking tubes, PVC, silicone tubes etc.)

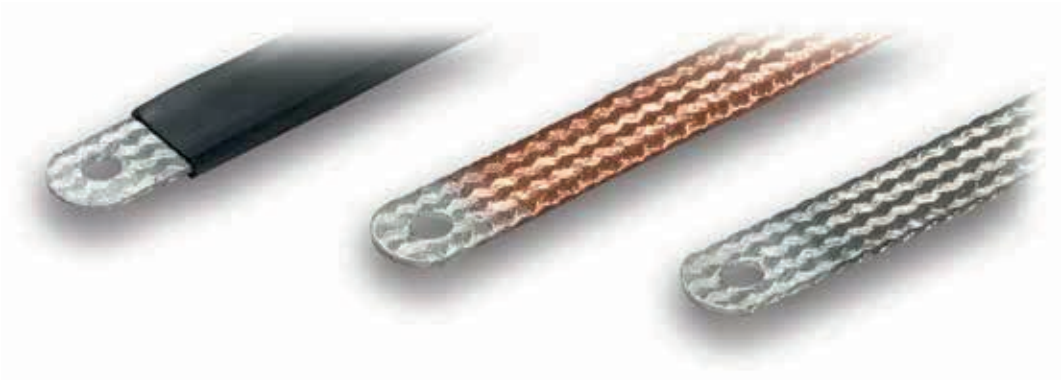
UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	DIMENSIONS W mm	L1 mm	L mm	d mm	Current-load ampere	Standard designs
ST-004	KT-004	4	8	12	acc. to custumers' wishes	acc. to custumers' wishes	15	design A / design D
ST-006	KT-006	6	10	16			40	
ST-008	KT-008	8	12	16			60	
ST-010	KT-010	10	14	18			75	
ST-014	KT-014	14	16	18			95	
ST-016	KT-016	16	16	20			120	
ST-021	KT-021	21	20	20			135	
ST-025	KT-025	25	20	23			150	
ST-035	KT-035	35	25	25			195	
ST-050	KT-050	50	30	30			250	
ST-070	KT-070	70	35	35			290	
ST-095	KT-095	95	40	40			330	
ST-120	KT-120	120	40	40			420	

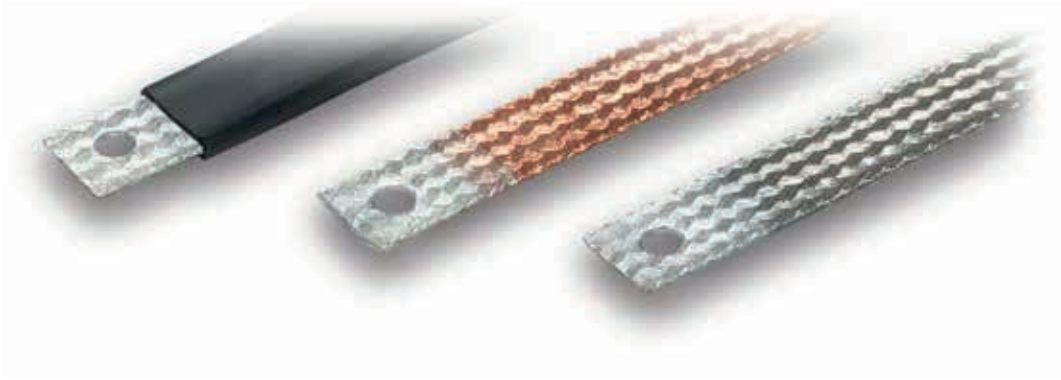




* The specifications, designs and dimensions given below are changable acc.to customers' wishes.
* All informations about current load are not binding , only approximate values.

Earthing tapes with ametal alloyed leadfree solder solidified contact areas





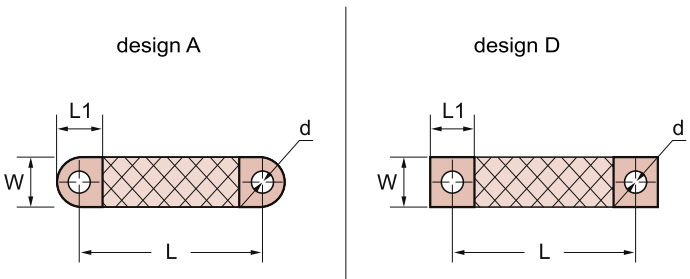
Constructions and applications

Manufactured from higly flexible tapes that are braided from annealed Cu-ETP wires, and contact areas, which are pressed to shape after solidified by immersing into alloyed lead-free solder. Applicable as earthing tape and component for current transfer.

Tecnical data

* **braids** : 0,07 - 0,20 mm annealed Cu-ETP wires , uncoated or tinned
* **contact areas** : ametal alloyed leadfree solidified and pressed
* **insulation** : non-insulated or insulated (shrinking tubes, PVC, silicone tubes etc.)

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	DIMENSIONS W mm	L1 mm	L mm	d mm	Current-load ampere	Standard designs
STL-004	KTL-004	4	8	12	acc. to custumers' wishes	acc. to custumers' wishes	15	
STL-006	KTL-006	6	10	16			40	
STL-008	KTL-008	8	12	16			60	
STL-010	KTL-010	10	14	18			75	
STL-014	KTL-014	14	16	18			95	
STL-016	KTL-016	16	16	20			120	
STL-021	KTL-021	21	20	20			135	
STL-025	KTL-025	25	20	23			150	
STL-035	KTL-035	35	25	25			195	
STL-050	KTL-050	50	30	30			250	
STL-070	KTL-070	70	35	35			290	
STL-095	KTL-095	95	40	40			330	
STL-120	KTL-120	120	40	40			420	



* The specifications, designs and dimensions given below are changable acc.to customers' wishes.
* All informations about current load are not binding , only approximate values.

Silicone insulated flat braided shunt - solderless pressed contact areas

Constructions and applications

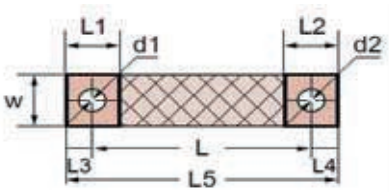
These connectors are manufactured from highly flexible tapes, which are braided from annealed Cu-ETP1 wires, and solderless contact areas pressed from seamles Cu-ETP tubes. The braided tapes and tubes are of same analysis and conductivity.

The best alternative to cable; no cutting, no crimping, flexible, pre-punched, ready to use, quick and easy to install.

Tecnical data

*** braids** : 0.20 mm annealed Cu-ETP wires, uncoated or tinned
*** contact areas** : solderless pressed seamless Cu-ETP tube
*** insulation** : silicone (UL 758 tested)

Operating Voltage : 1000V AC - 1500 V DC
Heat Ageing : 250°C 10 days
Minimum Temperature - Cold Bent : -50°C
Dielektrik Strength : >21Kv/mm
Reaction to Fire : CSE Class 1
Smoke Class Determination : F1

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	DIMENSIONS W mm	L1 mm	t mm	L mm	AC Amps	Standard designs
SST-02503	SKT-02503	25	20	20	3	according to customer wishes	160	design D 
SST-03503	SKT-03503	35	25	25	3		200	
SST-05004	SKT-05004	50	30	30	4		250	
SST-07005	SKT-07005	70	30	30	5		300	
SST-09506	SKT-09506	95	35	35	6		350	
SST-12007	SKT-12007	120	35	35	7		400	
SST-15008	SKT-15008	150	35	35	8		450	
SST-18509	SKT-18508	185	40	40	8		500	
SST-24009	SKT-24010	240	40	40	10		630	

* The specifications, designs and dimensions given below are changable acc.to customers' wishes.
* All informations about current load are not binding, only approximate values.

Silicone insulated round stranded shunt - solderless pressed contact areas

Constructions and applications

These connectors are manufactured from highly flexible tapes, which are braided from annealed Cu-ETP1 wires, and solderless contact areas pressed from seamles Cu-ETP tubes. The braided tapes and tubes are of same analysis and conductivity.

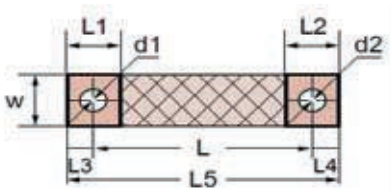
The best alternative to cable; no cutting, no crimping, flexible, pre-punched, ready to use, quick and easy to install.

Tecnical data

*** braids** : 0.20 mm annealed Cu-ETP wires, uncoated or tinned
*** contact areas** : solderless pressed seamless Cu-ETP tube
*** insulation** : silicone (UL 758 tested)

Operating Voltage : 1000V AC - 1500 V DC
Heat Ageing : 250°C 10 days
Minimum Temperature - Cold Bent : -50°C
Dielektrik Strength : >21Kv/mm
Reaction to Fire : CSE Class 1
Smoke Class Determination : F1

UNCOATED Part-No	TINNED Part-No	Cross sec. mm²	DIMENSIONS W mm	L1/L2 mm	t mm	L mm	d1 mm	d2 mm	AC Amps	Standard designs
SSTY-02503	SKTY-02503	25	20	20	3	according to customer wishes	according to customer wishes	according to customer wishes	160	design D
SSTY-03503	SKTY-03503	35	25	25	3				200	
SSTY-05004	SKTY-05004	50	30	30	4				250	
SSTY-07005	SKTY-07005	70	30	30	5				300	
SSTY-09506	SKTY-09506	95	35	35	6				350	
SSTY-12007	SKTY-12007	120	35	35	7				400	
SSTY-15008	SKTY-15008	150	35	35	8				450	
SSTY-18509	SKTY-18508	185	40	40	8				500	
SSTY-24009	SKTY-24010	240	40	40	10				630	



* The specifications, designs and dimensions given below are changable acc.to customers' wishes.
* All informations about current load are not binding, only approximate values.

Stainless steel flat braided shunts - solderless press contact areas

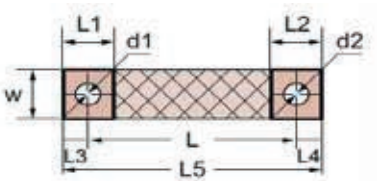
Constructions and applications

These connectors are manufactured from highly flexible tapes, which are braided from stainless steel wires, and solderless contact areas pressed from seamles stainless steel tubes. The braided tapes and tubes are of same analysis and conductivity.

The best alternative to cable; no cutting, no crimping, flexible, pre-punched, ready to use, quick and easy to install.

Tecnical data

* **braids** : 0.16 to 0.40 mm stainless steel wire (316L or 304)
* **contact areas** : solderless pressed stainless steel tube (316L)
* **insulation** : non-insulated or insulated (shrinking tubes, PVC, silicone tubes etc.)

Stainless Steel	Cross sec. mm²	DIMENSIONS W mm	L1/L2 mm	L mm	d mm	Standard designs
PT-016	16	16	16	according to customer wishes	according to customer wishes	design D 
PT-025	25	20	20			
PT-035	35	30	30			
PT-050	50	30	30			
PT-070	70	30	30			
PT-095	95	30	30			
PT-120	120	35	35			
PT-150	150	40	40			

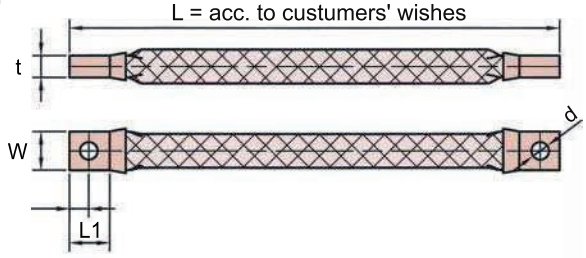
* The specifications, designs and dimensions given below are changable acc.to customers' wishes.
* All informations about current load are not binding, only approximate values.

Air cooled round stranded cables - for high current

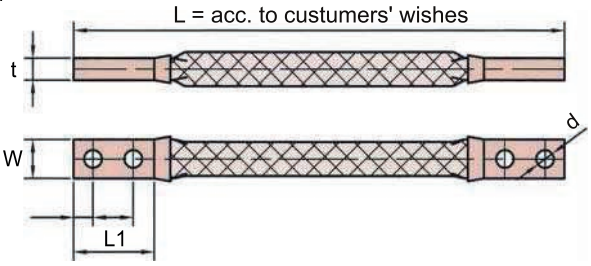
Construction and application

These connectors are manufactured from highly flexible round stranded copper cables, constructed from annealed 0,10mm diameter Cu-ETP1 wires , and solderless pressed contact areas from seamless Cu-ETP tubes.
Besides bare wires and uncoated Cu-ETP tubes , we can also manufacturing them according to your drawings or samples. The shape of the contact area and the type of drilling are totally up to you. We can also deliver them insulated with PVC , heat-shrinkable or silicon tubes.

type 1



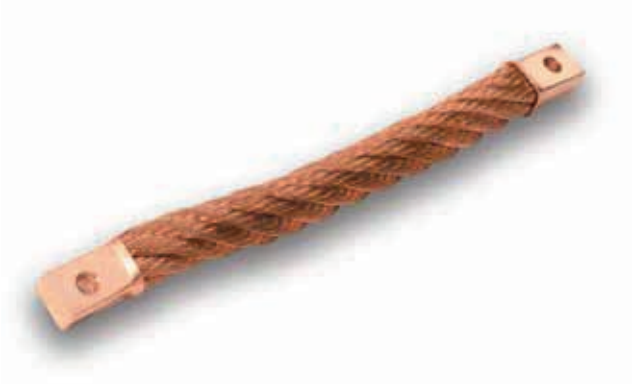
type 2



UNCOATED Part-No	Cross sec. mm²	Current load Amperre	type 2 L1 mm	type 1 L1 mm	W mm	t mm
HSK - 0070	70	300A	30	15	15	8,5
HSK - 0095	95	360A	40	20	20	8,3
HSK - 0120	120	420A	40	20	20	10
HSK - 0150	150	480A	50	25	25	11,5
HSK - 0185	185	570A	50	25	25	13,5
HSK - 0240	240	670A	60	32	32	12,8
HSK - 0300	300	780A	80	40	40	13,3
HSK - 0400	400	950A	80	40	40	15,5
HSK - 0500	500	1100A	80	40	40	23,5
HSK - 0600	600	1250A	80	40	55	18,8
HSK - 0700	700	1375A	80	40	55	20,2
HSK - 0750	750	1450A	80	40	55	21,8
HSK - 0850	850	1550A	80	40	55	22,3
HSK - 1000	1000	1800A	80	40	55	27

All informations about current load are not binding, only approximate values for non-insulated connectors.

Air cooled round stranded cables - for welding machines

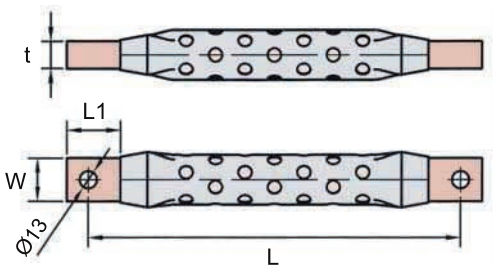


Construction and application

These connectors are produced from highly flexible round stranded copper cables equipped with solderless pressed seamles E Cu tubes as contact areas at the ends.

They provide multi-dimensional movement flexibility as well as high current transfer at welding machines. We deliver them also with punched rubber insulation tube if needed.

UNCOATED Part-No	Cross sec. mm²	DIMENSIONS W mm	L1 mm	L mm	t mm
HSKK - 0200	200	32	40	acc. to custumers' wishes	12
HSKK - 0250	250	32	40		13
HSKK - 0300	300	32	40		15
HSKK - 0400	400	32	40		20,5
HSKK - 0500	500	32	40		23
HSKK - 0600	600	38	40		25
HSKK - 0750	750	38	40		32
HSKK - 0850	850	38	40		37



Flexible press riveted copper connectors - for welding guns and machines

Construction and application

The E Cu / Cu ETP strips with 0,10 or 0,20 mm thickness are connected with pressing and riveting them together for the needed shape. Contact areas are additionally strengthened with thicker copper sheets. These kinds of connectors are mainly used where you need two-dimensional movements, greater current transfer, and resistance againest heat such as welding guns and machines. These types are specially manufactured acc. to your designs and drawings.

Flexible braided copper connectors - for welding guns and machines

Construction and application

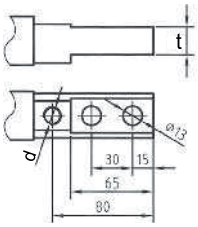
These principal difference compared to press-riveted connectors is that the three-dimensional movements that these connectors are providing. These connectors are produced from highly flexible braided copper tape layers overlapped for the needed cross-section and solderless pressed together with seamless E Cu tubes from the ends as contact areas. These connectors are specially manufactured according to your designs and drawings.

Water cooled cables - for welding machines

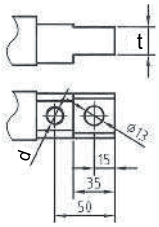
Construction and application

The principal difference compared to air cooled connectors are the water hose on the cable and the solderless crimped contact ends with water holes which together allows coolant water flow on the cable. The contact ends are manufactured from E Cu material with same conductance value as cable and crimped to the cable without using solder or additives. These types are used where cables are overheated because of high current transmission.

UNCOATED Part-No	Cross sec. mm²	DIMENSIONS W mm	W1 mm	t mm	d mm	L mm	
SSK - 0120	120	25	21	13	1/4"		acc. to custumers' wishes
SSK - 0150	150	28	24	15	1/4"		
SSK - 0185	185	28	25	16	1/4"		
SSK - 0240	240	32	26	18	1/4"		
SSK - 0300	300	32	26	18	1/4"		
SSK - 0400	400	38	32	21	1/4"		
SSK - 0500	500	42	34	24	1/4"		

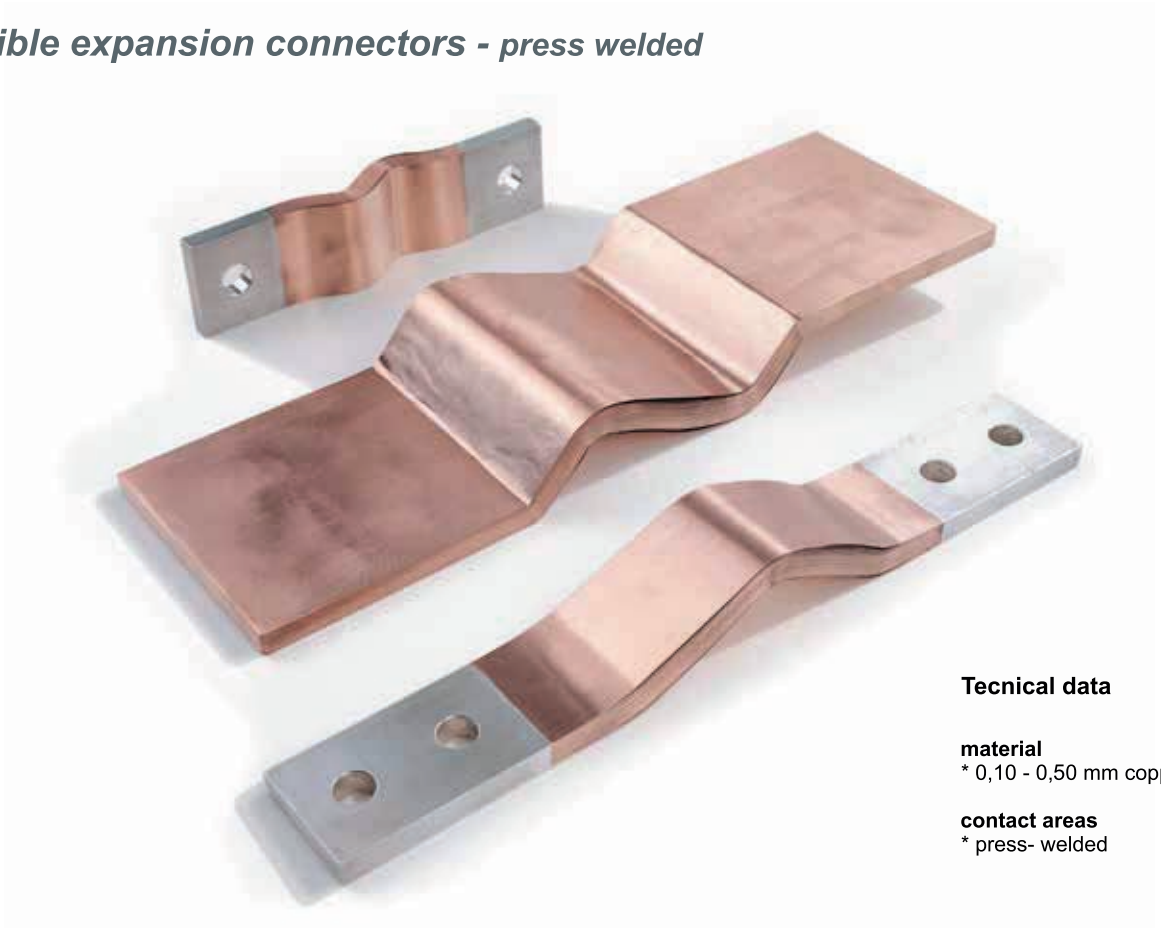


type 1



type 2

Flexible expansion connectors - *press welded*



Tecnical data

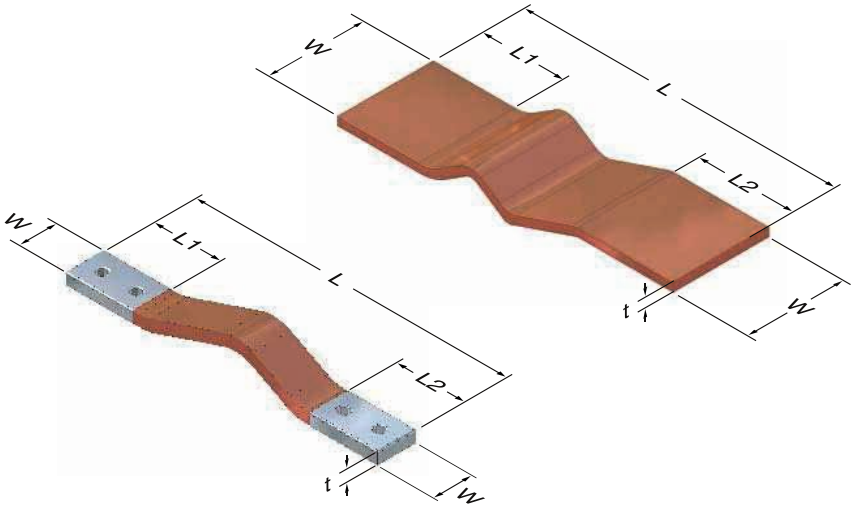
material
* 0,10 - 0,50 mm copper HCP-foils

contact areas
* press- welded

Construction and application

These connectors are constructed from Cu-HCP foils with a thickness of 0,10 to 0,50 mm by overlapping the needed amount together and welding their ends as required contact areas without using any welding additive. This special welding process takes places under high pressure and intensive heat. These connectors have a uniform cross-section over their entire lenght and due to their homogeneus molecular structure ; they are perfect electrical conductors.
As press-welded expansion connectors can be subjected to the same loads as the corresponding bare busbars , they are mostly used together with busbar systems. As you can use them at standard dimensions with busbar systems ; when installing several connectors side by side , the standard lamination widths are reduced by 2 mm to avoid possible friction.
We produce these connectors in S or V form to compensate expansions caused by an increase of generators. They are perfect built to deal with maximum forces due to decentralization and torsion. Especially U forms are manufactured for realize the two-dimensional movement inside welding machines.

UNCOATED Part-No	Cross sec. mm²	DIMENSIONS W mm	t mm	L1 mm	L2 mm
PK-2805-L	140	28	5	acc. to custumers' wishes	acc. to custumers' wishes
PK-3805-L	190	38	5		
PK-4805-L	240	48	5		
PK-5805-L	290	58	5		
PK-7805-L	390	78	5		
PK-3810-L	380	38	10		
PK-4810-L	480	48	10		
PK-5810-L	580	58	10		
PK-7810-L	780	78	10		
PK-9810-L	980	98	10		
PK-3815-L	570	38	15		
PK-4815-L	720	48	15		
PK-5815-L	870	58	15		
PK-7815-L	1170	78	15		
PK-9815-L	1470	98	15		
PK-3820-L	760	38	20		
PK-4820-L	960	48	20		
PK-5820-L	1160	58	20		
PK-7820-L	1560	78	20		
PK-9820-L	1960	98	20		



Flexible expansion connectors - *press welded*

UNCOATED Part-No	Cross sec. mm²	DIMENSIONS W mm	L1 mm	t mm	L mm	Weight kg/pcs
PK-04005-230	200	40	40	5	230	0,48
PK-04008-230	320	40	40	8	230	0,77
PK-04010-230	400	40	40	10	230	0,96
PK-04012-230	480	40	40	12	230	1,15
PK-04015-230	600	40	40	15	230	1,28
PK-04020-230	800	40	40	20	230	1,92
PK-05005-250	250	50	50	5	250	0,65
PK-05008-250	400	50	50	8	250	1,04
PK-05010-250	500	50	50	10	250	1,30
PK-05012-250	600	50	50	12	250	1,55
PK-05015-250	750	50	50	15	250	1,95
PK-05020-250	1000	50	50	20	250	2,60
PK-06005-270	300	60	60	5	270	0,83
PK-06008-270	480	60	60	8	270	1,33
PK-06010-270	600	60	60	10	270	1,66
PK-06012-270	750	60	60	12	270	1,99
PK-06015-270	900	60	60	15	270	2,51
PK-06020-270	1200	60	60	20	270	3,32
PK-08005-310	400	80	80	5	310	1,25
PK-08008-310	640	80	80	8	310	1,99
PK-08010-310	800	80	80	10	310	2,50
PK-08012-310	960	80	80	12	310	3,01
PK-08015-310	1200	80	80	15	310	3,75
PK-08020-310	1600	80	80	20	310	5
PK-10005-350	500	100	100	5	350	1,74
PK-10008-350	800	100	100	8	350	2,81
PK-10010-350	1000	100	100	10	350	3,48
PK-10012-350	1200	100	100	12	350	4,17
PK-10015-350	1500	100	100	15	350	5,27
PK-10020-350	2000	100	100	20	350	6,96
PK-10025-350	2500	100	100	25	350	8,70
PK-12005-390	600	120	120	5	390	2,26
PK-12008-390	960	120	120	8	390	3,68
PK-12010-390	1200	120	120	10	390	4,52
PK-12012-390	1440	120	120	12	390	5,50
PK-12015-390	1800	120	120	15	390	6,97
PK-12020-390	2400	120	120	20	390	9,04
PK-12025-390	3000	120	120	25	390	11,57

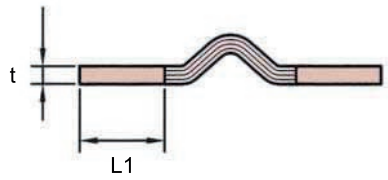
Tecnical data

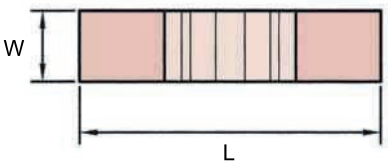
material
* 0,10 - 0,50 mm copper HCP-foils

contact areas
* press- welded, uncoated, tinned or silvered

Construction and application

Expansion connectors in standard design for busbar systems.





Insulated flexible expansion connectors

Construction and application

Insulated Flexible Copper Bars are formed by coating folios overlapping each other by a special PVC compound. They are safe connectors. These flexibles can be easily formed and conserve their shape avoiding deformation for a long period. These connectors are capable of carrying more electrical current than rigid bars hence having several layers that increase the electrical current surface. Therefore, the flexibles can easily be used in smaller crossections when compared to rigid bars, whereupon they constitute cost reduction. The dimensions which are shown on the table are standard sizes. Our production limits are; from 9mm up to 53mm width, from 1 to 12 layers of copper folios, each might has thickness of 0.5, 0.8 or 1.0mm.

We can produce special sizes within these limits acc.to your order.

Kod (Code)	Copper Size			Size of Bar			Temperature of Connector acc. to Current Load		
	(Width) (mm)	(Thickness) (mm)	(No of Folios)	(Width) (mm)	(Thickness) (mm)	(Cross-section) (mm^2)	65°C	85°C	105°C
TIB-02016	16	1	2	20	6	32	65	215	290
TIB-02020	20	1	2	24	6	40	190	260	310
TIB-03020	20	1	3	24	7	60	240	320	390
TIB-04024	24	1	4	28	8	96	320	430	530
TIB-05024	24	1	5	28	9	120	360	485	590
TIB-06024	24	1	6	28	10	144	400	540	660
TIB-04032	32	1	4	36	8	128	400	540	660
TIB-05032	32	1	5	36	9	160	450	610	740
TIB-06032	32	1	6	36	10	192	500	675	820
TIB-08032	32	1	8	36	12	256	580	790	960
TIB-05040	40	1	5	44	9	200	540	730	890
TIB-06040	40	1	6	44	10	240	590	800	975
TIB-08040	40	1	8	44	12	320	690	930	1100
TIB-10050	50	1	10	54	14	500	910	1230	1500

The following table will assist you to choose the correct cross - section areas which is corresponding on current rating capacities.

However, our production range is not limited to these values , therefore it is possible to produce dimensions which are not stated on the table.

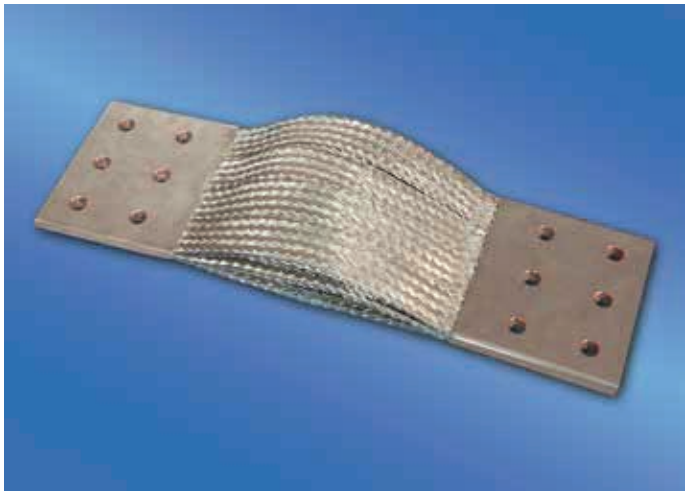
The values above are approximate and for information only. Ambient conditions are very effective on current rating.

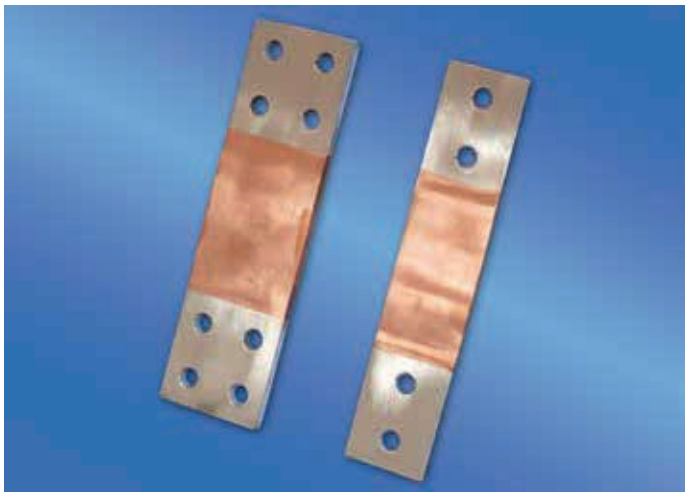
The manufacturer shall not be held responsible under any circumstance.

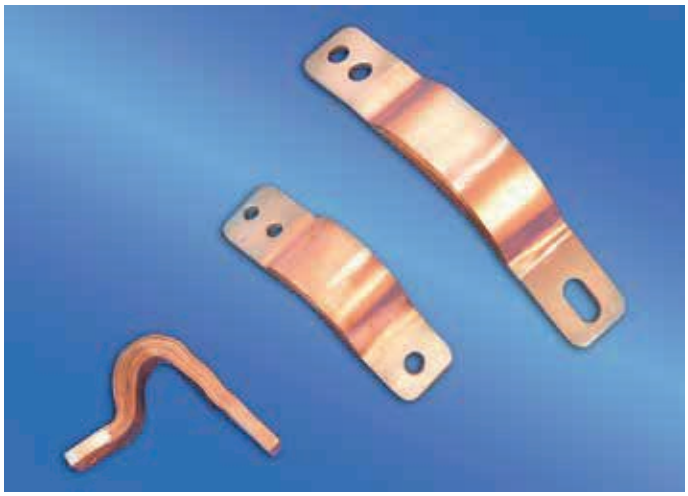
Technical Features;
Raw Material Used:
Cu ETP acc. to EN 1652
Cu>99.90min
Conductivity; 58ms/m - %100IACS
Hardness; 50-60 HV
Production Method;
PVC coating on copper
Thickness of Copper Sheets:
0.50-1.00mm
Width of Copper Sheets:
min 9mm, max.53mm

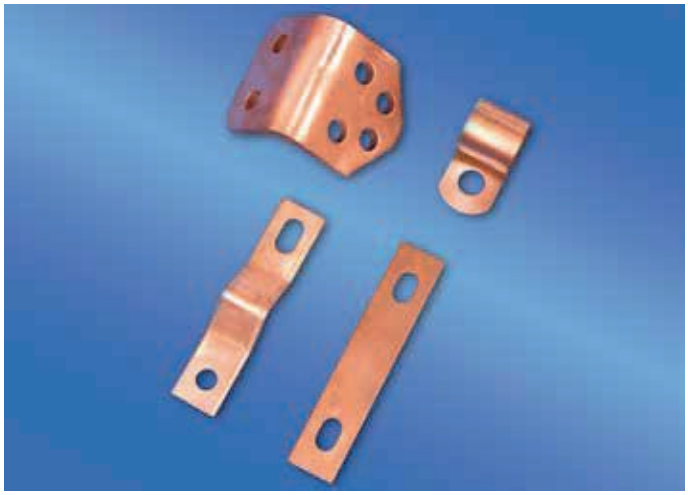
Features of Insulated Flexible Bars:
Operation temperature -20°C / +105°C
Operation voltage (max.) 1000V AC/1500V DC
No. of folio layers min. 1pcs – max.12pcs

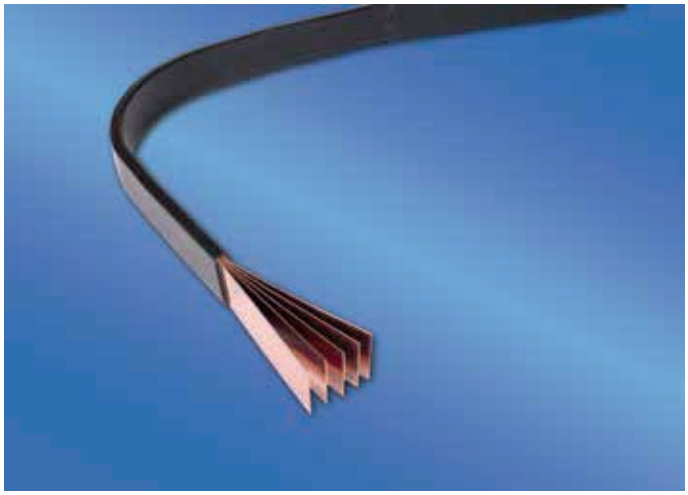
Features of The Insulation Material:
Special PVC compound that meet UL94V0 standard
The thickness of insulation material: 1.8mm – 2.0mm (-0/+0.3mm)
Free of lead
Self-extinguishable
Hardness; Shore A 85 acc. to ISO 1183
Tensile strength; max. 16 N/mm^2 acc. to CEI 20-34
Elasticity; min. %320 acc. to CEI 20-34
Dielectric strength; 20 kV/mm
Standart black color (possible to produce in different colors or with different colored line upon request.)
Standart length 2m (can be produced up to 5m upon request)

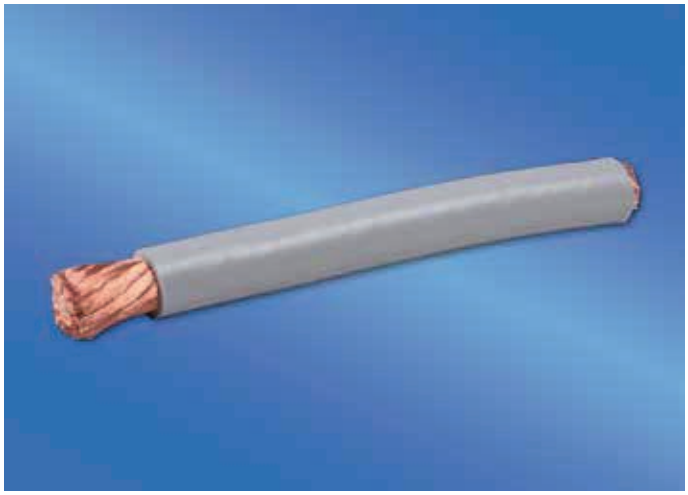













teknolabor

teknolabor®
ELEKTRİK SAN. ve TİC. LTD. ŞTİ.

Eski Ankara Asfaltı İTOSB 8. Caddesi No: 2
34959 Tepeören - Tuzla İstanbul / TÜRKİYE
Tel. : +90 (216) 593 37 93 (Pbx.)
+90 (216) 593 37 94 (5hat)
+90 (216) 593 38 41
+90 (216) 593 38 40
Fax : +90 216 593 38 40
Web : www.teknolabor.com