















Flexible connections are prefered for low and high voltage applicaions, where vibrations and shocks are present, since they are allowing healthy connections between movable parts.

Туре

Tinner

Red

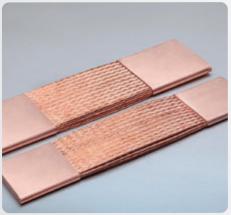
We can produce braided flexible bars with standart and special designs for various applications. These braided bars can transfer high rated currents.Bars are manufactured form copper (plain or tinned) wires.Connecting surfaces can be plain or coated with tin or silver depending on your requirements. Braided flexible bars can be insulated with heat shrinkable thermoplastic or with PVC sheaths. In this case, the current capacity will be less because of the shrink.

- •As Transformer/ Bar Bushing Connections
- •For High Voltage Load Separators
- •For Generators
- •As Grounding Cable for Ground Separators depending on the request
- •For High Voltage Power Breakers
- •For Bus-Bar Systems
- •For Panel Connections
- •For Applications, where High Temperature and Shock is present



















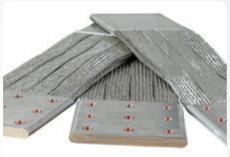




























Press Welded Copper Folio Connectors

Press welding is a special kind of welding method. Press Welded Connectors are resistant aganist the maximum amount of forces, where damages occur due to bending and their cores due to the structure. The bars, which are specially manufactured in "U" and "S" forms, can cater for two way movements inside of the machines easily. These connection elements are manufactured from Cu-HCP bands (folios, sheets) whose thicknesses vary between 0.10-0.30 mm in order to obtain the required cross section

without use of any kind of additives by welding them together under pressure to give the required contact area. This special welding operation is carried out under high pressure and temperature.. The loss of resistance, which could take place during the current conduction at high voltages, is reduced at the maximum level with the use of pressed welded flexible connection elements. The contact areas can be coated with tin by using electrolysis or hot dip method and silver coating with the required thickness in microns can also be applied.

























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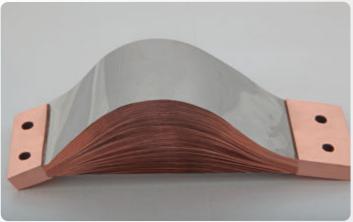












Areas of Use

- Spot Welding Equipment
- Projection Welding Equipment
- Seam Welding Equipment
- Butt Welding Equipment
- Suspended Welding Equipment
- Mesh Wire Welding Equipment
- Robotic Welding Guns
- Panel Radiator Welding Equipment These are manufactured by bringing together the Cu-ETP bands with thicknesses between 0.10 mm-0.30 mm in order to provide for the required characteristics and joined together by riveting them under pressure. The contact surfaces are strengthened additionaly with thicker plates. These bars are manufactured according to the customer requirements and drawings.















20x2x1mm

20x3x1mm

24x5x1mm

24x6x1mm

32x5x1mm

32x6x1mm 32x8x1mm

40x6x1mm

40x8x1mm

40x10x1mm

50x10x1mm



The dimensions of flex bars which we manufacture









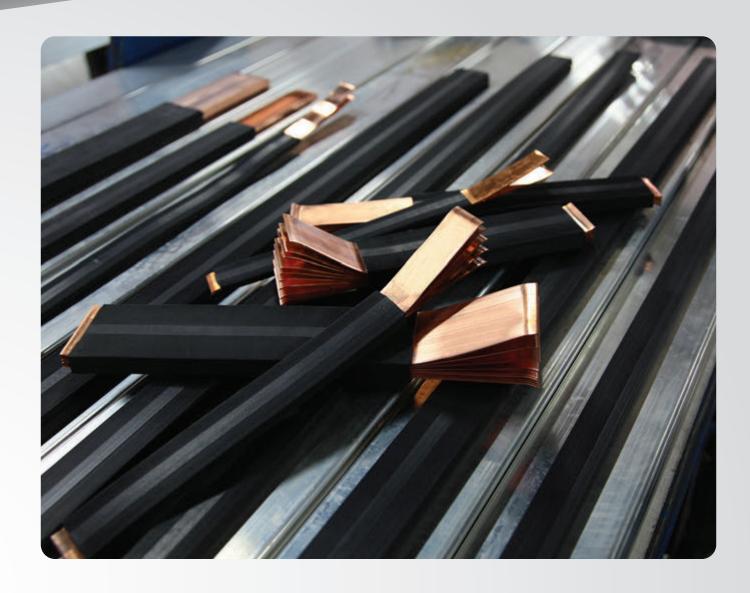












Applications

- Working temperature -25°C up to 105°C (-13°F up to 221°F)
- Nominal voltage = 1000 V AC/1500 V DC
- Self-extinguishable
- High mechanical resistance
- High elongation value
- High current withstanding
- High copper quality (99.9%)
- High conductivity

Flex bars are used for systems and applications:

- Power Supplies and Converters
- Motor Control Centers
- Control Panels
- Busbar Systems
- Panelboards
- Switchboards
- AC & DC Drive Units
- Transformers













Since its electrical resistance is low, its an ideal grounding conductor. It can also be produced as twisted cable other than the braided type with the required wire diameter and section for grounding applications. They are manufactured from 0.07 – 0.20 mm diameter ECU Copper wires.It is possible to vary number of wires and their diameters for special design and cross sections. Type Flat Round

Flat Braided Copper Production Table

Cross Sections	Wire Diameters	No of Wires	Weight (±%7)
16mm²	0.10-0.20 mm	2048-512	144 g/m
25mm ²	0.10-0.20 mm	3192-792	225g/m
35mm ²	0.10-0.20 mm	4480-1120	315g/m
50mm ²	0.10 mm-0.20 mm	6384-1584	450g/m
100mm ²	0.20 mm	3168	900g/m





















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Rope Type Cable Rope Type Cable Conductors Naked and Tin Plated Twisted Wire Size Ranges: 0.055-1000 mm²











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Braiding Types

- Braiding Types
- Stainless Steel Wire Braiding
- Aluminium Wire Braiding
- Galvanized Wire Braiding
- Copper Wire Braiding
- Glass Fiber Yarn Braidin
- Ceramic Yarn Braiding
- Aramid Yarn Braiding
- Sock and Joint Sleeve Braiding We carry out outsourcing braiding
- works(bandaging) over Hose, Spiral Hose, Cable, EPDM Rubber by using any of our above stated braiding types with the required covering rate supun request.

External Diameters: Good quality braiding is performed ranging from blank braiding to external diameter of 110 mm.The braiding, which is performed over hose, spiral hose and cables provide protection aganist certain atmospheric pressure and protect products aganist ambient corrosion.





















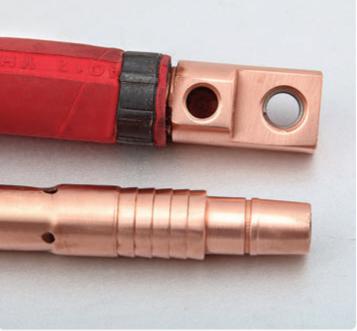






Water Cooled and Air Cooled Secondary Flexible Cables Water cooled cables are principally used as water cooled cable bars of electrical ovens and welding equipments. All the cables are manufactured with hose in order to protect them. The lugs of the cables are pressed without welding in order to provide good transfer of the current. Air cooled flexible cables are manufactured from ECU copper wires with diameters of 0.10-0.30 mm as being twisted in round form. The possible cross sections are between 100-1000 mm. The standart insulating materials is PVC based and materials like silicon etc can be used if this required.







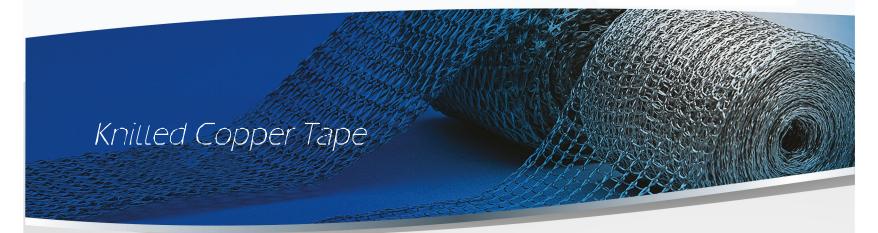










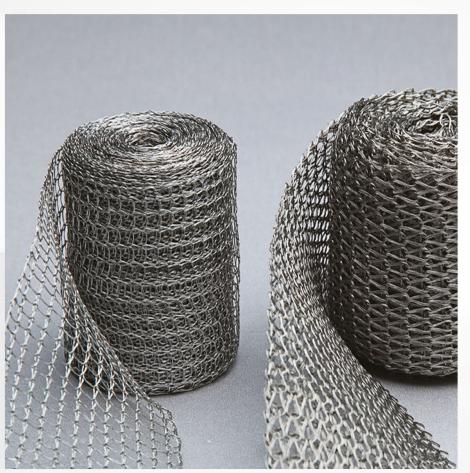


It is used at different kind of places.
For energy cable joints or cable heading, ensuring the continuity of screening materials or controling the voltage which is inducted at the outer semi conductor layer and carrying this voltage to the earth. It can be manufactured in two types as single layer or circular braiding. It can be produced between 0.10mm and 0.50 mm single wire or multi-wire.



















Special Part Production

Silver Contacts Copper Contacts Brush Box Air Circuit Breakers Oiled Circuit Breaker Contacts Gantry Crane Auxiliary Components Current Receiver Car Energy Cables







*We are manufacturing special products according to technical drawings and samples.

















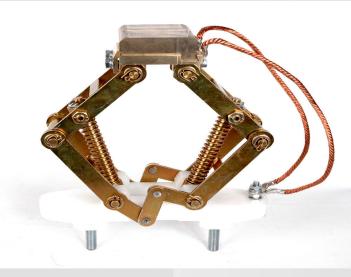
Brush Holder (Coal Clasp)

Production of carbon brush holders and pressure springs: We produce carbon brush holders and carbon brush holder sockets used in electric motors in various types and shapes in any brand. We don't keep carbon brush holders available in our stocks because these carbon brush holders being produced proprietarily or produced with technical drawing vary according to the data and types of electric motors. Our production is made based on technical drawings and samples. Our company produce the carbon brush holders with filled material to make them long-lived and productive in terms of use. Spring mechanism used in carbon brush holders enables to levelly be printed, motor carbon, collector and ring. Manufacturing of pressure springs' bottoms is made of stainless plates by imprinting.

Areas of Usage:

- Iron and Steel plants
- Cement plants
- White Goods plants
- Casting plants
- Pipe mills
- Shipyards
- Ports
- Dams































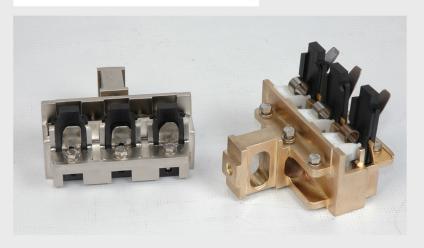




























Brush Holder (Coal Clasp)





























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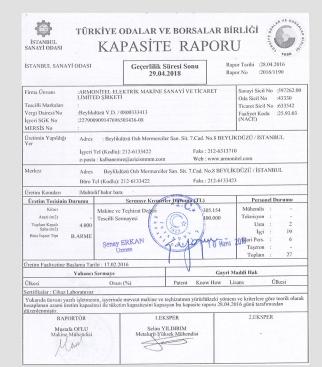
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Certificates









	Belge No 597262.00	Veriliş Sebebi ILK TESCIL	Vergi No: 8 0 0 3	3 3 4 1 3
İşyeri İşletme Ünvanı	ARMONITEL ELEKTRIK MAKINE SAI	MAYÎ VE TÎÇARET LTD. ŞTÎ.		
İşyeri Adresi	TERAZIDERE MAH.HAKAN SOK	NO:4 BAYRAMPAŞA/İSTANBUL		
Kayıtlı Bulunduğu Meslek Odası	ISTANBUL TICARET ODASI	Kuruluş Tarihi ve Ticaret Sicil No	24.07.2007 633542	
Kapasite Raporu Birlik Onay Tarih ve No	25.11.2011 19956	Ticaret Sicil Gazetesi Tarih ve Sayısı	30.07.2007 6862	
ÖRGÜLÜ FLEXIBLE B Üretim Konusu	ARA(ELEKTRIK BAĞLANTI VE IRTIB)	AT ELEMANLARI)	AH	ny elmza: r GÜLDANE Müdlif a. lay Medürü



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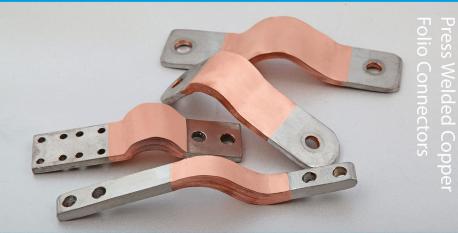
Braiding Types



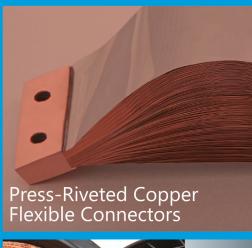


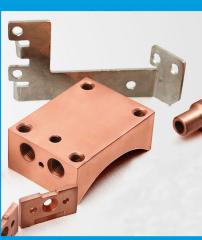




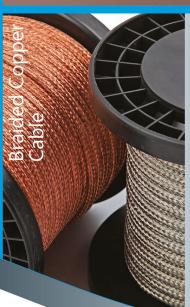














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