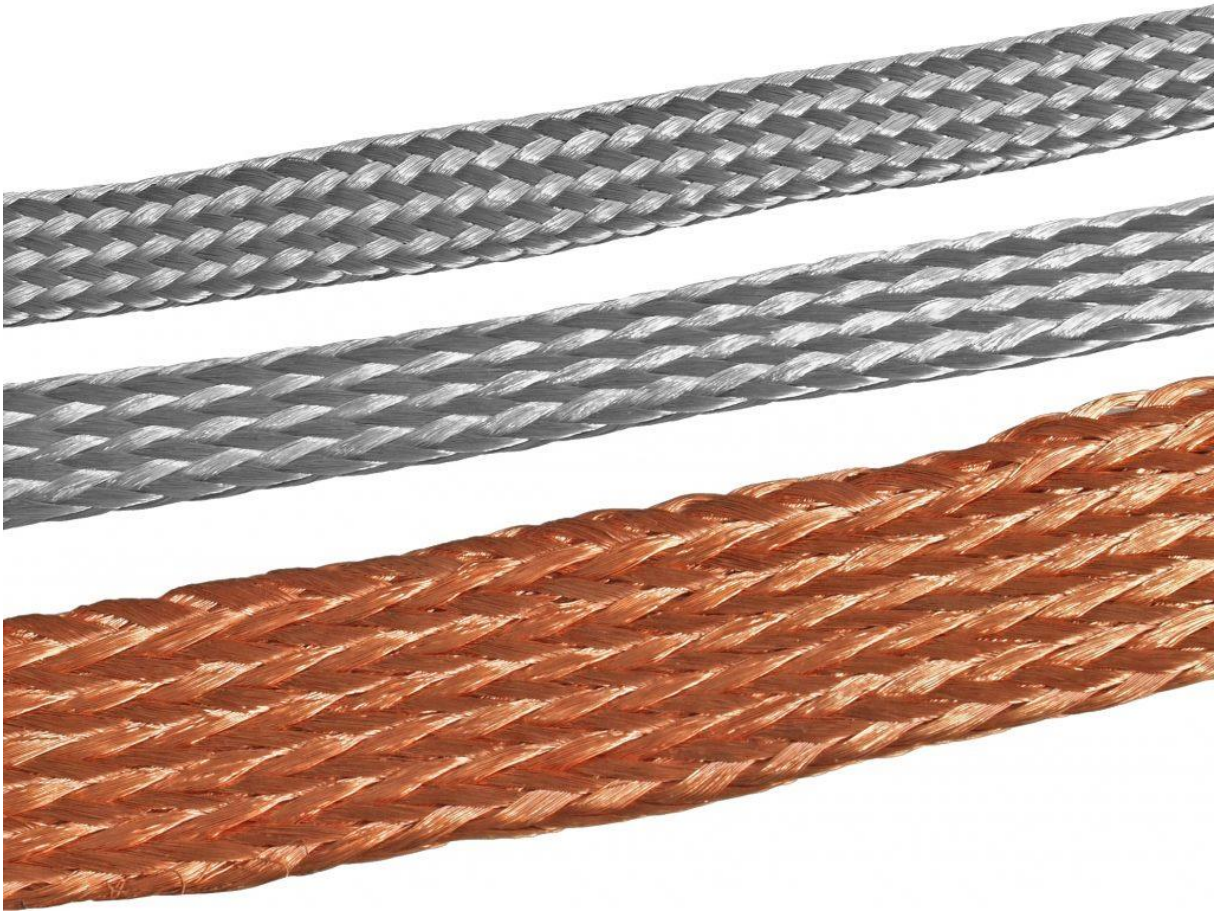
As a leading manufacturer of bare and tinned copper conductors, we have one of the largest ranges of flexible connections made of copper or tinned copper braids. These connections are used to compensate for vibrations in high-current systems, where they successfully eliminate system vibrations related to the ampere intensity.

Electronic devices operating in systems cannot cause interference with other devices and should be capable of correct operation in a specific electromagnetic environment, which means that they should meet the conditions of electromagnetic compatibility (EMC). An important factor influencing these phenomena is the way of connecting the earthing and ground connections. The solution to this type of challenge are offered by Eltron-Kabel straps earthing straps, made entirely of tinned copper, operating in the temperature range from –20 ° C to + 125 ° C. The single strand wire is 0.2 mm thick and the contacts are seamlessly stamped. As a standard, we tin our braided tapes to a thickness of 15 microns, thanks to which these connections have a 15% higher current efficiency **.**



Earthing straps are used for high-current connections of control cabinets and EMC (Electro Magnetic Compatibility) applications to reduce interference.

High-current connections by Eltron-Kabel are extremely flexible thanks to the use of copper tapes made of wires with a diameter of 0.07 - 0.20 mm in the structure. Thanks to the use of wires of such small dimensions and a special conductor structure, consisting of several layers of braids, we obtain connections with a very large surface. Thus, one of the main features of Eltron-Kabel high-current connectors, in addition to flexibility, is the high current carrying capacity of the components.

ELTRON - KABEL®
HELUKABEL Group

Elastyczne taśmy Cu i CuSn

- Energetyka kolejowa
- Przemysł samochodowy
- Uziemienia
- Szafy sterownicze i rozdzielenie

Przekrój od 1 mm² do 300 mm²

These products are successfully used as connections in switching stations, between transformers, generators, rectifiers or switching devices in power networks, where they effectively compensate for expansions caused by temperature rise or vibrations. The possibilities of using connections made of braided tapes are almost unlimited and cable connections are not so effective. Only short and flat conductors give the desired effect. The impedance of a braid is 10 (even up to 20) times lower than that of a round cable.

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Bartosz Rutkowski
ELTRON-KABEL Sp. z o.o.
www.Eltron-Kabel.pl