

## Product Datasheet

### TPI1000



The copper braid is used as a super flexible conductor for all electric connection requirements, including power, earthing and equipotential connections.

It results from the use of a number of standard wires with diameter of 0.20 mm, twined together to form a cord.

More cords twined together can produce a small cross-sectioned braid or further secondary cords which, twined again, make it possible to get the desired cross-section.

#### Main

Family	Copper braids in coils
Version	Insulated braids in tinned copper – Flat
Code	TPI1000
Reference	TPI 20-16
Length (m)	20
Weight (kg/m)	0.20
Current (A)*	115
Sect. (mm <sup>2</sup> )	16
Thickness (mm)	4.5
Width (mm)	19

\* Current calculated with a temperature rise  $\Delta T=35\text{ }^{\circ}\text{C}$  respect to a reference room temperature of  $35\text{ }^{\circ}\text{C}$

### Technical Features

**Material:** tinned copper Cu-ETP UNI EN 13602

Standard wire Ø 0.20 mm

**Resistivity:** 0.0172 Ω mm<sup>2</sup>/m

Transparent PVC, thickness 1.5 mm

**Electric insulation:** 450 V

**Max. working temperature:** - 40 °C to 80 °C

### Flat type copper braids

Flat type made using the same process as in tubular braids, but flattening it between rollers to the desired dimensions.

It is used for power, earthing and equipotential connections.

In power applications, it makes flexible connections which easily compensate offsets between elements to be interconnected, and also provides excellent buffering of vibrations induced by, i.e., connection to a transformer.

With the same cross-section, it can take a higher current density than cables or copper bars.

Please contact Teknomega for non-specified tolerances.