

## Product Datasheet

### TTI1000



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 – Round
Code	TTI1000
Reference	TTI 20-16
Length (m)	50
Weight (kg/m)	0.18
Current (A)*	115
Sect. (mm <sup>2</sup> )	16
Diameter Ø (mm)	9.5
Minimum bend radius (mm)	9

\* Current calculated with a temperature rise  $\Delta T=35$  °C respect to a reference room temperature of 35 °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

### Round type copper braids

Made from tightly interwoven cords until they become a full round section.

It is used for power and mass connections, and, when suitably insulated, as an alternative to the cables. In that case, compared to insulated cables, with the same cross-section, it allows more current density and, most of all, extraordinary flexibility.

Please contact Teknomega for non-specified tolerances.