

Raw material

Bare Copper strip according to EN 13599

Designation:	Cu-ETP
Material Condition:	Annealed
Copper rate:	99.9 %
Resistivity at 20°:	1.7241 $\mu\Omega$.cm (100% IACS)
Tensile Strength:	> 200 MPa
Elongation at breaking:	> 30 %

Tinned copper strip according to EN 14436

Tin coating:	Sn99
Tin thickness:	2 a / to 4 μ m

General features:

Maximum Operating Voltage	1000 V AC o/ or 1500 V DC
Maximum Operating Temperature	90 °C o / or 105°C
Nominal Insulation thickness	2 mm.
Dielectric Strength:	
Beetween conductor and earth	15 kV/mm (50Hz) / 15 kV (RMS)
Beetween conductors:	30 kV/mm (50Hz) / 30 kV (RMS)
Self Extinguishing (NFC 32070 / IEC 60332-1) :	C2

Insulated part:

Material:	PVC
Colour:	Black
	(Under request: Orange/Blue)
Density (ISO 1183-1) :	1.36
Hardness, shore A (ISO R 868) :	86
Tensile strength (EN 60811-1-1) :	~ 18 MPa
Ultimate Elongation (EN 60811-1-1) :	~ 300 %
Operating temperature	-40°C/+105°C

Regulation:

Product in compliance with RoHS directive

Regulation:

CE Marking (Low Voltage directive)

UL 94 Approval

Calculation coefficient for parallel bars

For 2 bars

1,72

For 3 bars

2,25