

EmSold 180

IEC 60317 - 51

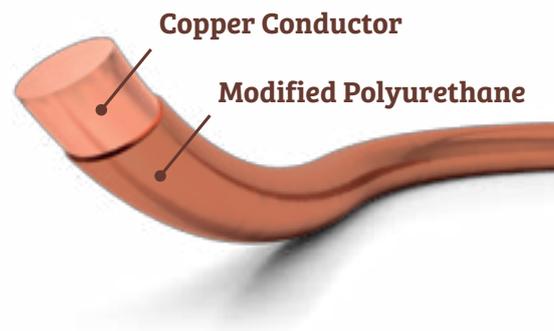
EmSold 180, is polyurethane enamelled copper wire belonging under HB (180°C) thermal class, able to be manufactured in the diameter range of 0.03 - 1.10 mm.

Providing thermal resistance up to 180°C, EmSold 180 is possible to be produced also in red or green colours if requested.

It possess the feature of being solderable within 1-2 seconds at 380°C temperature.

Fields of Use:

- Small motors and transformers
- Solenoid coils
- Relays



Thermal Class (°C)	Class HB, 180°C
Insulation Base Coat	Modified Polyurethane
Insulation Top Coat	-
Insulation Bonding Layer	-
Production Range (mm)	0.03 -1.10 mm
Standards IEC	IEC 60317 - 51
Thermal Class (°C)	180°C
Heat Shock (°C)	≥ 200°C
Cut-Through Temperature (°C)	≥ 230°C
Soldering Temperature (°C)	> 380°C 1-2 s
Bonding Temperature (°C)	Non-applicable
Re-softening Temperature (°C)	Non-applicable
Normal Solvent Resistance	3H - 4H
Dipping Varnish Resistance	Good
Refrigerant Resistance	Non-usable
Transformer Oil Resistance	Non-usable
Distinct Features	Capable of being produced in red or green colours if requested, flawless soldering at low temperature.
Fields of Use	Electromechanics, automotive

● Copper conductor ✂ Solderable 🌡 180°C thermal class

