

EmSold 180 Bond

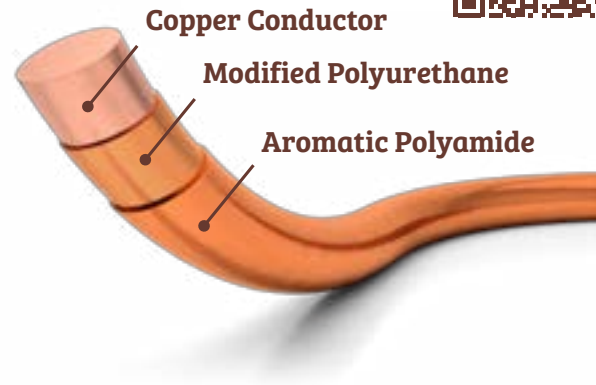
IEC 60317 - 36

EmSold 180 Bond is a modified polyurethane enamelled copper wire belonging under HB (180°C) thermal class, able to be manufactured in the diameter range of 0.05 - 1.10 mm.

Providing thermal resistance up to 180°C and a good mechanical strength, EmSold 180 Bond is able to be soldered with the self-bonding upper layer. It possess the feature of flawless soldering at low temperature.

Fields of Use:

- Air coils
- Speaker coils
- Brake coils



Thermal Class (°C)	Class HB, 180°C
Insulation Base Coat	Modified Polyurethane
Insulation Top Coat	-
Insulation Bonding Layer	Aromatic Polyamide
Production Range (mm)	0.05 - 1.10 mm
Standards IEC	IEC 60317 – 36
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)	160-190°C
Re-softening Temperature (°C)	190°C
Normal Solvent Resistance	3H - 4H
Dipping Varnish Resistance	Good
Refrigerant Resistance	Non-usable
Transformer Oil Resistance	Non-usable
Distinct Features	Flawless soldering at low temperature, can be soldered with the self-bonding upper layer.
Fields of Use	Transformers, electromechanics, motors, automotive

● Copper conductor ✂ Solderable 🔄 Self-bonding 🌡 180°C thermal class

