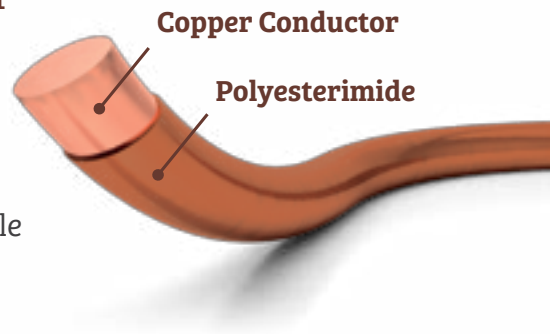


EmSold 180-H

IEC 60317-23

EmSold 180-H, is solderable polyesterimide enamelled copper wire, belonging under H (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-H is a wire that can be soldered by itself. It provides a good winding performance. It possess the feature of being solderable within 2 seconds at 470 °C temperature.



Fields of Use:

- Toroid coils
- Electric motors
- Ignition coils
- Solenoid coils
- Small transformers

Thermal Class (°C)	Class H, 180°C
Insulation Base Coat	Solderable Polyesterimidee
Insulation Top Coat	-
Insulation Bonding Layer	-
Production Range (mm)	0.05 - 1.10 mm
Standards IEC	IEC 60317-23
Thermal Class (°C)	180°C
Heat Shock (°C)	≥ 200°C
Cut-Through Temperature (°C)	≥ 265°C
Soldering Temperature (°C)	470°C 2 s
Bonding Temperature (°C)	Non-applicable
Re-softening Temperature (°C)	Non-applicable
Normal Solvent Resistance	4H - 5H
Dipping Varnish Resistance	Very good
Refrigerant Resistance	Non-usable
Transformer Oil Resistance	Non-usable
Distinct Features	High thermal resistance up to 180 °C, good mechanical strength, good winding performance
Fields of Use	Electromechanics, automotive

● Copper conductor ✂ Solderable 🌡 180°C thermal class

