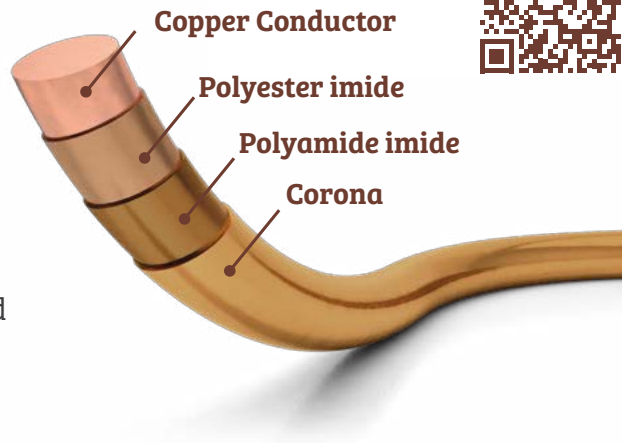


EmTherm CR

I.E.C 60317 - 13

EmTherm CR, is a Corona Resistant enamelled copper wire, belonging in HC (200°C) thermal class, able to be manufactured in the diameter range of 0.50 - 2.20 mm with three different insulation layers.

Providing thermal resistance up to 200°C, EmTherm-CR possess the feature of being wound at high speeds and is resistant against corona effect. Produced specially for inverter driven motors, it has a life time up to 10 times longer.



Fields of Use:

- Inverter driven motors
- Traction motors
- Power bridges
- Semi-hermetic compressor motors

Thermal Class (°C)	Class HC, 200°C	<p>EmTherm200, EmTherm-CR Corona Resistance Test Test Conditions: 20kHz 1,5 kV p-p 155°C</p> <table border="1"> <caption>Corona Resistance Test Results</caption> <thead> <tr> <th>Product</th> <th>Resistance (min)</th> </tr> </thead> <tbody> <tr> <td>EmTherm200 Gr2</td> <td>12</td> </tr> <tr> <td>EmThermCR Gr2</td> <td>125</td> </tr> <tr> <td>EmTherm CR^{PLUS} Gr2</td> <td>660</td> </tr> </tbody> </table>	Product	Resistance (min)	EmTherm200 Gr2	12	EmThermCR Gr2	125	EmTherm CR ^{PLUS} Gr2	660
Product	Resistance (min)									
EmTherm200 Gr2	12									
EmThermCR Gr2	125									
EmTherm CR ^{PLUS} Gr2	660									
Insulation Base Coat	THEIC Modified Polyesterimide									
Insulation Mid Coat	Polyamide imide									
Insulation Top Coat	Corona									
Production Range (mm)	0.50 - 2.20 mm									
Standards IEC	IEC 60317 - 13									
Heat Shock (°C)	≥ 220°C									
Cut-Through Temperature (°C)	≥ 340°C									
Soldering Temperature (°C)	Non-solderable									
Bonding Temperature (°C)	Non-applicable									
Re-softening Temperature (°C)	Non-applicable									
Normal Solvent Resistance	5H									
Dipping Varnish Resistance	Very good									
Refrigerant Resistance	Very good									
Transformer Oil Resistance	Very good									
Distinct Features	Lifetime up to 10 times longer, resistance against corona effect, specially designed for inverter motors, high speed winding.									
Fields of Use	Motors with long lifetime without maintenance requirements, power transformers, inverter driven motors, generators, semi-hermetic compressor motors, traction motors.									

● Copper conductor ⚡ Resistant against corona effect 🌡️ 200°C thermal class

