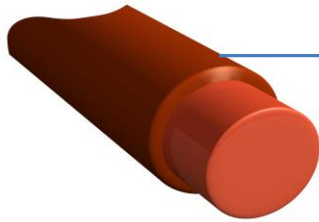


## INSULATION

Polyesterimide Enamelled Round Copper Wire, Class 180



Base Coat: Theic Modified Polyesterimide

Conductor: Copper

UL File Number: E255643

## TECHNICAL PROPERTIES

### MECHANICAL

Elongation	% >1,3 x IEC Value
Mandrel Test	1 x Diameter - No Crack
Resistance to Abrasion	>2,5 x IEC Value

### THERMAL

Thermal Index	180 °C
Heat Shock	200 °C
Cut Through	340 °C

### CHEMICAL

Resistance to Solvents	4H
Resistance to Refrigerants	Good
Resistance to Transformer Oil	Good

## STANDARDS

IEC	EN 60317 - 8
NEMA	MW 74 C
TSE	TS EN 60317 - 8

## AVAILABILITY

0,05 - 5,50 mm.

4 - 44 AWG

## APPLICATIONS

Motors, Hermetic Motors  
Refrigerant and Compressor Motors  
Automotive Alternators  
Torroidal Coils  
Solenoids  
Dry-Type Transformers

## PROPERTIES

Suitable for high speed winding.  
Excellent dielectric performance  
Superior chemical and moisture resistance  
Superior thermal overload protection  
High mechanical and thermal properties

## ELECTRICAL

Breakdown Voltage	>1,5 x IEC Value
Conductivity (m/Ωmm <sup>2</sup> )	>58
Pinhole	Free