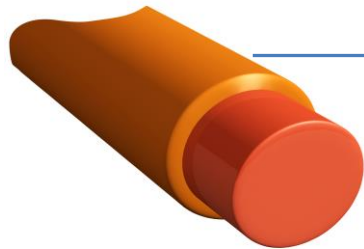


INSULATION

Solderable Polyurethane Enamelled Round Copper Wire, Class 180



Base Coat: Polyurethane

Conductor: Copper

UL File Number: E255643

TECHNICAL PROPERTIES

STANDARDS

| | |
|------|------------------|
| IEC | EN 60317 - 51 |
| NEMA | MW 82 C |
| TSE | TS EN 60317 - 51 |

MECHANICAL

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

AVAILABILITY

0,05 - 2,00 mm.

12- 44 AWG

THERMAL

| | |
|---------------|----------|
| Thermal Index | 180 °C |
| Heat Shock | > 200 °C |
| Cut Through | > 285°C |

APPLICATIONS

Coils and relays
Lighting Ballast transformers
Motors
Torroidal Coils
Ignition Coils
Communication and Measuring Equipments
Small Transformers

CHEMICAL

| | |
|-------------------------------|---------------|
| Resistance to Solvents | 4H |
| Resistance to Refrigerants | - |
| Resistance to Transformer Oil | - |
| Solderability | 375°C / 1 sec |

PROPERTIES

Solderability in a short time
Superior thermal overload protection
Superior chemical and moisture resistance
High mechanical and thermal properties

ELECTRICAL

| | |
|------------------------------------|----------------|
| Breakdown Voltage | >2 x IEC Value |
| Conductivity (m/Ωmm ²) | >58 |
| Pinhole | Free |