



Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, Conductive PO/PO Insulation, PVC Outer Jacket, 40kV

Technical Specifications

Product Overview

| Product Overview | | |
|--|--|--|
| Suitable Applications: internal wiring of electronic equipments, high voltage applications | | |
| Construction Details | | |
| Conductor | | |
| Element No. of Elements Size Stranding Material | | |
| Conductor(s) 1 18 AWG 16x30 TC - Tinned Copper | | |
| Insulation | | |
| Material Nom. Thickness Nom. Insulation Diameter | | |
| PO - Polyolefin 0.057 in (1.4 mm) 0.178 in (4.52 mm) | | |
| Table Notes: .008 in. conductive polyethylene over stranding. | | |
| Outer Jacket | | |
| Material Nom. Thickness Nom. Diameter | | |
| PVC - Polyvinyl Chloride 0.015 in (0.38 mm) 0.208 in (5.28 mm) | | |
| Overall Cable Diameter (Nominal): 0.208 in (5.28 mm) | | |
| Electrical Characteristics | | |
| Electricals | | |
| Nom. Conductor DCR Max. Current | | |
| 1.25 Ohm/1000ft Single conductor in free air @ 30°C: 62.0 A | | |
| Voltage | | |
| Voltage Rating Breakdown Voltage | | |
| 40,000 V DC, 11,000 V RMS (AC (60 Hertz)) 80,000 V (DC) | | |
| Mechanical Characteristics | | |
| Temperature | | |
| UL Temperature Operating | | |
| 80°C -40°C To +80°C | | |
| Bend Radius | | |
| Stationary Min. Installation Min. | | |
| 2.08 in (52.8 mm) 2.08 in (52.8 mm) | | |
| Max. Pull Tension: 53 lbs (24 kg) | | |
| Bulk Cable Weight: 20 lbs/1000ft | | |

Standards and Compliance

| Environmental Suitability: | Outdoor |
|--------------------------------|---|
| Sustainability: | CA Prop 65 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

History

Variants

Update and Revision:

Revision Number: 0.476 Revision Date: 02-03-2025

Part Numbers

Putup Type UPC Color Length Footnote Item # 8866 002100 Red Reel 100 ft 612825217091 8866 002500 Red Reel 500 ft 612825217107 C 8866 002U500 Red Reel 500 ft 612825217084

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