# Product: 39118

## Lead Wire, #18 Str TC, PPO Ins, AWM 11028

Request Sample

### Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PPO Insulation, AWM 11028 600V 105C VW-1

### Technical Specifications

#### Product Overview

| | |
|---|---|
| Suitable Applications: | Electrical panel builders, Electrical/electronic manufacturers, Appliance manufacturers, Furniture, Computer manufacturers, Automotive companies and their sub-suppliers |

#### Construction Details

**Conductor**

| Size | Stranding | Material |
|---|---|---|
| 18 | 16x30 | TC - Tinned Copper |

**Insulation**

| Material | Nom. Thickness | Nom. Insulation Diameter |
|---|---|---|
| PPO - Polyphenylene Oxide | 0.012 in (0.30 mm) | 0.069 in (1.8 mm) |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.069 in (1.8 mm) |

#### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Max. Current |
|---|---|
| 6.5 Ohm/1000ft (21 Ohm/km) | Single conductor in free air @ 30ºC: 20 A |

**Voltage**

| UL Voltage Rating |
|---|
| 600 V RMS |

#### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 105°C | -40°C To +105°C Dry |

| | |
|---|---|
| Bulk Cable Weight: | 6 lbs/1000ft (8.9 kg/km) |

#### Standards and Compliance

| | |
|---|---|
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | VW-1 |
| AWM Compliance: | UL AWM Style 11028 |
| 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) |

#### Product Notes

| | |
|---|---|
| Notes: | Halogen-free. |

#### History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.382 Revision Date: 12-15-2021 |

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