

# Product: 31508

## Lead Wire, #8 Str TC, Neoprene Ins, AWM 3048

Request Sample

### Product Description

Low Temp Rubber Lead Wire, 8AWG (84x27) Tinned Copper, Neoprene Insulation, AWM 3048 600V 90C

### Technical Specifications

#### Construction Details

**Conductor**

| Size | Stranding | Material |
|---|---|---|
| 8 | 84x27 | TC - Tinned Copper |

**Insulation**

| Material | Nom. Thickness | Nom. Insulation Diameter |
|---|---|---|
| Neoprene | 0.062 in (1.6 mm) | 0.285 in (7.24 mm) |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.285 in (7.24 mm) |

#### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Max. Current |
|---|---|
| 0.64 Ohm/1000ft (2.1 Ohm/km) | Single conductor in free air @ 30ºC: 80 A |

**Voltage**

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

#### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 90°C | -30°C To +90°C |

| | |
|---|---|
| Recommended Max Baking Cycles: | 24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C) |
| Bulk Cable Weight: | 85 lbs/1000ft (130 kg/km) |

#### Standards and Compliance

| | |
|---|---|
| Sustainability: | CA Prop 65, Product Lens™ |
| AWM Compliance: | AWM 3048 |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

#### Product Notes

| | |
|---|---|
| Notes: | Separator Material over Conductor: Y, Recommended Maximum Baking Cycles: 24 Hours @ 300°F (149°C) ~ 8 Hours @ 325°F (163°C) ~ 15 Minutes @ 450°F (232°C) |

#### History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.379 Revision Date: 12-15-2021 |

#### Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC |
|---|---|---|---|---|
| 31508 010500 | Black | Reel | 500 ft | 612825142133 |
| 31508 002500 | Red | Reel | 500 ft | 612825142126 |

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