

# Product: 8899

## Lead Wire, #18 Str TC, EPDM Ins

Request Sample

### Product Description

Low Temp Rubber Lead Wire, 18AWG (65x36) Tinned Copper, EPDM Insulation, 5000V 90C

### Technical Specifications

#### Product Overview

| | |
|---|---|
| Suitable Applications: | used as test probe lead for electrical and electronic measuring for test equipment |

#### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 1 | 18 AWG | 65x36 | TC - Tinned Copper |

**Insulation**

| Material | Nom. Thickness | Nom. Insulation Diameter |
|---|---|---|
| EPDM - Ethylene Propylene Diene Monomer | 0.0485 in (1.23 mm) | 0.144 in (3.66 mm) |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.144 in (3.66 mm) |

#### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Max. Current |
|---|---|
| 6.9 Ohm/1000ft | Single conductor in free air @ 30ºC: 6.5 A |

**Voltage**

| Voltage Rating | Breakdown Voltage |
|---|---|
| 5000 V | 20,000 V |

#### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 80°C | -40°C To +80°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 1.44 in (36.6 mm) | 1.44 in (36.6 mm) |

| | |
|---|---|
| Max. Pull Tension: | 40 lbs (18 kg) |
| Bulk Cable Weight: | 15 lbs/1000ft |

#### Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Outdoor |
| Sustainability: | CA Prop 65 |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

## Product Notes

| | |
|---|---|
| Notes: | Breakdown Voltage: 20,000 V RMS Suggested Working Voltage: 5000 V RMS |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.471 Revision Date: 01-20-2023 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 8899 01025 | Black | Reel | 25 ft | 612825217817 | |
| 8899 010100 | Black | Reel | 100 ft | 612825217794 | |
| 8899 010500 | Black | Reel | 500 ft | 612825217824 | |
| 8899 010U500 | Black | Reel | 500 ft | 612825217787 | |
| 8899 0101000 | Black | Reel | 1,000 ft | 612825217800 | C |
| 8899 010U1000 | Black | Reel | 1,000 ft | 612825217770 | |
| 8899 006100 | Blue, Light | Reel | 100 ft | 612825217732 | |
| 8899 006500 | Blue, Light | Reel | 500 ft | 612825217749 | |
| 8899 005100 | Green, Dark | Reel | 100 ft | 612825217718 | |
| 8899 005500 | Green, Dark | Reel | 500 ft | 612825217725 | |
| 8899 00225 | Red | Reel | 25 ft | 612825217671 | |
| 8899 002100 | Red | Reel | 100 ft | 612825217657 | |
| 8899 002500 | Red | Reel | 500 ft | 612825217688 | |
| 8899 002U500 | Red | Reel | 500 ft | 612825217640 | |
| 8899 0021000 | Red | Reel | 1,000 ft | 612825217664 | C |
| 8899 002U1000 | Red | Reel | 1,000 ft | 612825217633 | |
| 8899 009100 | White | Reel | 100 ft | 612825217756 | |
| 8899 009500 | White | Reel | 500 ft | 612825217763 | |
| 8899 004100 | Yellow | Reel | 100 ft | 612825217695 | |
| 8899 004500 | Yellow | Reel | 500 ft | 612825217701 | |

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