



**Product:** [8919](#)

Lead Wire, #20 Str TC, PVC Ins, AWM 1015 AWM 1230

[Request Sample](#)

### Product Description

Low Temp Plastic Lead Wire, 20AWG (10x30) Tinned Copper, PVC Insulation, AWM 1015 AWM 1230 CSA TYPE TEW JQA-F 600V 105C

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | inter-connection circuits, internal wiring of computer and electronic equipments, internal wiring of appliances, machine tool wire |
|------------------------|--|

#### Construction Details

##### Conductor

| Element      | Number of Element | Size | Stranding | Material           |
|--------------|-------------------|------|-----------|--------------------|
| Conductor(s) | 1                 | 20   | 10x30     | TC - Tinned Copper |

##### Insulation

| Material                 | Nom. Thickness    | Nom. Insulation Diameter |
|--------------------------|-------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.03 in (0.76 mm) | 0.1 in (2.5 mm)          |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.100 in (2.54 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

| UL Temperature |
|----------------|
| 105°C          |

##### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 0.4 in (10 mm)  | 0.4 in (10 mm)    |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 12.6 lbs (5.72 kg) |
| Bulk Cable Weight: | 7.5 lbs/1000ft     |

#### Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Sustainability:                  | CA Prop 65  |
| Flammability / Reaction to Fire: | VW-1  |
| NEC / UL Compliance:             | Article 310, MTW  |
| AWM Compliance:                  | AWM 1015, AWM 1230, CSA AWM I A/B   |
| CEC / C(UL) Compliance:          | TEW   |
| 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

Update and Revision: Revision Number: 0.447 Revision Date: 01-20-2023

## Part Numbers

### Variants

| Item #       | Color       | Putup Type | Length   | UPC          |
|--------------|-------------|------------|----------|--------------|
| 8919 010100  | Black       | Reel       | 100 ft   | 612825220404 |
| 8919 0101000 | Black       | Reel       | 1,000 ft | 612825220411 |
| 8919 0105000 | Black       | Reel       | 5,000 ft | 612825220428 |
| 8919 013100  | Blue, Dark  | Reel       | 100 ft   | 612825220435 |
| 8919 0131000 | Blue, Dark  | Reel       | 1,000 ft | 612825220442 |
| 8919 0135000 | Blue, Dark  | Reel       | 5,000 ft | 612825220459 |
| 8919 0011000 | Brown       | Reel       | 1,000 ft | 612825220176 |
| 8919 0081000 | Gray        | Reel       | 1,000 ft | 612825220336 |
| 8919 005100  | Green, Dark | Reel       | 100 ft   | 612825220299 |
| 8919 0051000 | Green, Dark | Reel       | 1,000 ft | 612825220305 |
| 8919 0031000 | Orange      | Reel       | 1,000 ft | 612825220220 |
| 8919 002100  | Red         | Reel       | 100 ft   | 612825220190 |
| 8919 0021000 | Red         | Reel       | 1,000 ft | 612825220206 |
| 8919 009100  | White       | Reel       | 100 ft   | 612825220350 |
| 8919 0091000 | White       | Reel       | 1,000 ft | 612825220367 |
| 8919 004100  | Yellow      | Reel       | 100 ft   | 612825220251 |
| 8919 0041000 | Yellow      | Reel       | 1,000 ft | 612825220268 |

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