



Product: [9910](#)

Lead Wire, #10 Str TC, PVC Ins, AWM 1015 AWM 1230

Request Sample

Product Description

Low Temp Plastic Lead Wire, 10AWG (65x28) 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                 | 10 AWG | 65x28     | TC - Tinned Copper |

Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter |
|--------------------------|--------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.033 in (0.84 mm) | 0.18 in (4.6 mm)         |

|                                   |                  |
|-----------------------------------|------------------|
| Overall Cable Diameter (Nominal): | 0.18 in (4.6 mm) |
|-----------------------------------|------------------|

Electrical Characteristics

Electricals

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

|                        |          |
|------------------------|----------|
| Nom. Outer Shield DCR: | 6 Ohm/km |
|------------------------|----------|

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating       |
|----------------|-----------------|
| 105°C          | -30°C To +105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.8 in (46 mm)  | 1.8 in (46 mm)    |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 115 lbs (52.2 kg) |
| Bulk Cable Weight: | 43 lbs/1000ft     |

Standards and Compliance

|                                  |                 |
|----------------------------------|-----------------|
| Environmental Suitability:       | Indoor, Outdoor |
| Sustainability:                  | CA Prop 65      |
| Flammability / Reaction to Fire: | VW-1, FT1       |

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| NEC / UL Compliance:           | Article 310, MTW or TW                                                                                                    |
| 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: 0.442 Revision Date: 11-09-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          |
|--------------|--------|------------|----------|--------------|
| 9910 010100  | Black  | Reel       | 100 ft   | 612825260790 |
| 9910 010250  | Black  | Reel       | 250 ft   | 612825260813 |
| 9910 0102000 | Black  | Reel       | 2,000 ft | 612825260806 |
| 9910 002100  | Red    | Reel       | 100 ft   | 612825260714 |
| 9910 002250  | Red    | Reel       | 250 ft   | 612825260738 |
| 9910 0022000 | Red    | Reel       | 2,000 ft | 612825260721 |
| 9910 009100  | White  | Reel       | 100 ft   | 612825260769 |
| 9910 009250  | White  | Reel       | 250 ft   | 612825260783 |
| 9910 0092000 | White  | Reel       | 2,000 ft | 612825260776 |
| 9910 004100  | Yellow | Reel       | 100 ft   | 612825260745 |
| 9910 004250  | Yellow | Reel       | 250 ft   | 612825260752 |

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