



Product: [8918](#)

Lead Wire, #18 Str TC, PVC Ins, AWM 1015 AWM 1230

Request Sample

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) 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      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 1               | 18 AWG | 16x30     | TC - Tinned Copper |

Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter |
|--------------------------|--------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.033 in (0.84 mm) | 0.11 in (2.8 mm)         |

|                                   |                  |
|-----------------------------------|------------------|
| Overall Cable Diameter (Nominal): | 0.11 in (2.8 mm) |
|-----------------------------------|------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current                              |
|--------------------|-------------------------------------------|
| 6.5 Ohm/1000ft     | Single conductor in free air @ 30°C: 20 A |

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. |
|-----------------|-------------------|
| 1.1 in (28 mm)  | 1.1 in (28 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 27 lbs (12 kg) |
| Bulk Cable Weight: | 10 lbs/1000ft  |

Standards and Compliance

|                                  |                  |
|----------------------------------|------------------|
| Environmental Suitability:       | Indoor, Outdoor  |
| 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) |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)                                                                                           |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.485 Revision Date: 04-19-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color                | Putup Type | Length   | UPC          | Footnote |
|--------------|----------------------|------------|----------|--------------|----------|
| 8918 010100  | Black                | Reel       | 100 ft   | 612825219989 |          |
| 8918 0101000 | Black                | Reel       | 1,000 ft | 612825219996 | P        |
| 8918 0105000 | Black                | Reel       | 5,000 ft | 612825220008 | C        |
| 8918 013100  | Blue, Dark           | Reel       | 100 ft   | 612825220060 |          |
| 8918 0131000 | Blue, Dark           | Reel       | 1,000 ft | 612825220077 | P        |
| 8918 0135000 | Blue, Dark           | Reel       | 5,000 ft | 612825220084 | C        |
| 8918 001100  | Brown                | Reel       | 100 ft   | 612825219606 |          |
| 8918 0011000 | Brown                | Reel       | 1,000 ft | 612825219613 | P        |
| 8918 0081000 | Gray                 | Reel       | 1,000 ft | 612825219866 | P        |
| 8918 0085000 | Gray                 | Reel       | 5,000 ft | 612825219873 | P        |
| 8918 005100  | Green, Dark          | Reel       | 100 ft   | 612825219804 |          |
| 8918 0051000 | Green, Dark          | Reel       | 1,000 ft | 612825219811 | P        |
| 8918 0055000 | Green, Dark          | Reel       | 5,000 ft |              | P        |
| 8918 189100  | Green, Yellow Stripe | Reel       | 100 ft   | 612825220107 | A        |
| 8918 1891000 | Green, Yellow Stripe | Reel       | 1,000 ft | 612825348030 | A        |
| 8918 003100  | Orange               | Reel       | 100 ft   | 612825219699 |          |
| 8918 0031000 | Orange               | Reel       | 1,000 ft | 612825219705 | P        |
| 8918 002100  | Red                  | Reel       | 100 ft   | 612825219637 |          |
| 8918 0021000 | Red                  | Reel       | 1,000 ft | 612825219644 | P        |
| 8918 0025000 | Red                  | Reel       | 5,000 ft | 612825219651 | C        |
| 8918 0071000 | Violet               | Reel       | 1,000 ft | 612825219842 | P        |
| 8918 009100  | White                | Reel       | 100 ft   | 612825219903 |          |
| 8918 0091000 | White                | Reel       | 1,000 ft | 612825219910 | P        |
| 8918 0095000 | White                | Reel       | 5,000 ft | 612825219927 | C        |
| 8918 004100  | Yellow               | Reel       | 100 ft   | 612825219743 |          |
| 8918 0041000 | Yellow               | Reel       | 1,000 ft | 612825219750 | P        |
| 8918 0045000 | Yellow               | Reel       | 5,000 ft | 612825219767 | C        |

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