



**Part Number: 8918**

Lead Wire, #18 Str TC, PVC Ins, AWM 1015 CSA TYPE TEW

[Request Sample](#)

**Product Description**

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PVC Insulation, AWM 1015 CSA TYPE TEW JQA-F 600V 105C

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 18  | 16x30     | TC - Tinned Copper | 1                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 1      |
| Conductor Size:  | 18 AWG |

**Insulation**

| Material                 | Nominal Diameter | Nominal Wall Thickness | Min. Average Wall Thickness |
|--------------------------|------------------|------------------------|-----------------------------|
| PVC - Polyvinyl Chloride | 0.11 in          | .0325 in               | 0.03 in                     |

**Outer Jacket Material**

| Material  | Nominal Diameter |
|-----------|------------------|
| No Jacket | 0.11 in          |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR |
|-----------------------|
| 5.9 Ohm/1000ft        |

**Current**

| Element                                    | Max. Recommended Current [A]                       |
|--|--|
| Single conductor in free air @ 30C ambient | Single conductor in free air @ 30C ambient 20 amps |

**Voltage**

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

**Temperature Range**

|                 |       |
|-----------------|-------|
| UL Temp Rating: | 105°C |
|-----------------|-------|

**Mechanical Characteristics**

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 10 lbs/1000ft |
|--------------------|---------------|

**Standards**

|                         |              |
|-------------------------|--------------|
| NEC/(UL) Specification: | MTW          |
| UL AWM Style:           | 1015, 1230   |
| CSA Rating:             | 600 V, 105°C |
| CSA AWM Specification:  | AWM I A/B    |

|                         |                  |
|-------------------------|------------------|
| CSA Type:               | AWM I A/B or TEW |
| Military Specification: | N/A              |

### Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-07-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

### Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | VW-1      |
| CSA Flammability:  | FT1       |
| UL voltage rating: | 600 V RMS |

### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Part Number

#### Variants

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

|           |   |
|-----------|---|
| Footnote: | C - CRATE REEL PUT-UP.  |
| Footnote: | P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'. |

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