



Product: [9918](#)

Lead Wire, #18 Str TC, PVC Ins, AWM 1007 AWM 1569

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) Tinned Copper, PVC Insulation, AWM 1007 AWM 1569 CSA TYPE TR-64 TRSR-64

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Conductor Count: 1

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness | Min. Average Wall Thickness |
|--------------------------|------------------|------------------------|-----------------------------|
| PVC - Polyvinyl Chloride | 0.079 in | 0.017 in | 0.015 in |

Outer Jacket Material

| Nominal Diameter |
|------------------|
| 0.079 in |

Construction and Dimensions

Stranding

| Twists |
|------------|
| 6 twist/ft |

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 |
|-------------------|
| 300 V |

Temperature Range

UL Temp Rating: 105°C

Mechanical Characteristics

Bulk Cable Weight: 6 lbs/1000ft

Standards

| | |
|-------------------------|---|
| UL Rating: | 300V RMS, 80°C and 300V, 105°C |
| UL AWM Style: | UL Style 1007 (300 V 80°C), UL Style 1569 (300 V 105°C) |
| CSA Rating: | 300V RMS, 105°C |
| CSA Type: | TRSR-64 |
| 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): | 2005-10-01 |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----------|
| UL Flammability: | VW-1 |
| CSA Flammability: | FT1 |
| UL voltage rating: | 300 V RMS |

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|--------------|-------------|------------|----------|--------------|
| 9918 010100 | Black | Reel | 100 ft | 612825262404 |
| 9918 0101000 | Black | Reel | 1,000 ft | 612825349853 |
| 9918 0105000 | Black | Reel | 5,000 ft | 612825262411 |
| 9918 013100 | Blue, Dark | Reel | 100 ft | 612825262442 |
| 9918 0131000 | Blue, Dark | Reel | 1,000 ft | 612825262459 |
| 9918 0135000 | Blue, Dark | Reel | 5,000 ft | 612825262466 |
| 9918 006100 | Blue, Light | Reel | 100 ft | 612825262299 |
| 9918 0061000 | Blue, Light | Reel | 1,000 ft | 612825262305 |
| 9918 001100 | Brown | Reel | 100 ft | 612825262138 |
| 9918 0011000 | Brown | Reel | 1,000 ft | 612825262145 |
| 9918 0015000 | Brown | Reel | 5,000 ft | 612825262152 |
| 9918 008100 | Gray | Reel | 100 ft | 612825262343 |
| 9918 0081000 | Gray | Reel | 1,000 ft | 612825349846 |
| 9918 005100 | Green, Dark | Reel | 100 ft | 612825262268 |
| 9918 0051000 | Green, Dark | Reel | 1,000 ft | 612825262275 |
| 9918 0055000 | Green, Dark | Reel | 5,000 ft | 612825262282 |
| 9918 003100 | Orange | Reel | 100 ft | 612825262213 |
| 9918 0031000 | Orange | Reel | 1,000 ft | 612825262220 |
| 9918 002100 | Red | Reel | 100 ft | 612825262176 |
| 9918 0021000 | Red | Reel | 1,000 ft | 612825262183 |
| 9918 0025000 | Red | Reel | 5,000 ft | 612825262190 |
| 9918 007100 | Violet | Reel | 100 ft | 612825262329 |
| 9918 0071000 | Violet | Reel | 1,000 ft | 612825262336 |
| 9918 009100 | White | Reel | 100 ft | 612825262367 |
| 9918 0091000 | White | Reel | 1,000 ft | 612825262374 |
| 9918 0095000 | White | Reel | 5,000 ft | 612825262381 |
| 9918 004100 | Yellow | Reel | 100 ft | 612825262237 |
| 9918 0041000 | Yellow | Reel | 1,000 ft | 612825262244 |

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'.

| | |
|-----------|--|
| Footnote: | C - CRATE REEL PUT-UP. |
| Footnote: | K - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 500'. |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

History

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| Update and Revision: | Revision Number: 0.297 Revision Date: 04-28-2020 |
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