



Part Number: 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 | No. of Pairs |
|-----|-----------|--------------------|-------------------|--------------|
| 18 | 16x30 | TC - Tinned Copper | 1 | 6 |

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

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

| Material | Nominal Diameter |
|-----------|------------------|
| No Jacket | 0.079 in |

Construction and Dimensions

Stranding

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

Cabling

| |
|---------------|
| 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 |
| Min Bend Radius/Minor Axis: | 6 in |

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 |
| 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: | 300 V RMS |

Part Number

Variants

| Item # | Color | Footnote |
|--------------|-------------|----------|
| 9918 010100 | Black | |
| 9918 0101000 | Black | P |
| 9918 0105000 | Black | C K Z |
| 9918 013100 | Blue, Dark | |
| 9918 0131000 | Blue, Dark | P |
| 9918 0135000 | Blue, Dark | C P |
| 9918 006100 | Blue, Light | |
| 9918 0061000 | Blue, Light | |
| 9918 001100 | Brown | |
| 9918 0011000 | Brown | P |
| 9918 0015000 | Brown | C P |
| 9918 008100 | Gray | |
| 9918 0081000 | Gray | P |
| 9918 005100 | Green, Dark | |
| 9918 0051000 | Green, Dark | P |
| 9918 0055000 | Green, Dark | C |
| 9918 003100 | Orange | |
| 9918 0031000 | Orange | P |
| 9918 002100 | Red | |
| 9918 0021000 | Red | P |
| 9918 0025000 | Red | C |
| 9918 007100 | Violet | |
| 9918 0071000 | Violet | P |
| 9918 009100 | White | |

| | | |
|--------------|--------|---|
| 9918 0091000 | White | P |
| 9918 0095000 | White | C |
| 9918 004100 | Yellow | |
| 9918 0041000 | Yellow | P |

| | |
|-----------|---|
| 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. |

© 2019 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.