



**Product:** [8919](#)

Lead Wire, #20 Str TC, PVC Ins, AWM 1015 AWM 1230

[Request Sample](#)

**Product Description**

Low Temp Plastic Lead Wire, 20AWG (10x30) 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 |
|------------------------|--|

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 20  | 10x30     | TC - Tinned Copper | 1                 |

|                  |   |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

**Insulation**

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.1 in           | 0.03 in                |

**Electrical Characteristics**

**Voltage**

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 600 V RMS                |

**Temperature Range**

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

**Mechanical Characteristics**

|                    |                |
|--------------------|----------------|
| Bulk Cable Weight: | 7.5 lbs/1000ft |
|--------------------|----------------|

**Standards**

|                          |                          |
|--------------------------|--------------------------|
| NEC Articles:            | Article 310              |
| NEC/(UL) Compliance:     | MTW                      |
| UL AWM Style Compliance: | UL AWM Styles 1015, 1230 |
| CSA Rating:              | 600 V, 105°C             |
| CSA AWM Compliance:      | CSA AWM I A/B            |
| CSA Type:                | AWM I A/B or TEW         |

**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:                           | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Flammability, LS0H, 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       | Putup Type | Length   | UPC          |
|--------------|-------------|------------|----------|--------------|
| 8919 010100  | Black       | Reel       | 100 ft   | 612825220404 |
| 8919 0101000 | Black       | Reel       | 1,000 ft | 612825220411 |
| 8919 0105000 | Black       | Reel       | 5,000 ft | 612825220428 |
| 8919 013100  | Blue, Dark  | Reel       | 100 ft   | 612825220435 |
| 8919 0131000 | Blue, Dark  | Reel       | 1,000 ft | 612825220442 |
| 8919 0135000 | Blue, Dark  | Reel       | 5,000 ft | 612825220459 |
| 8919 0011000 | Brown       | Reel       | 1,000 ft | 612825220176 |
| 8919 0081000 | Gray        | Reel       | 1,000 ft | 612825220336 |
| 8919 005100  | Green, Dark | Reel       | 100 ft   | 612825220299 |
| 8919 0051000 | Green, Dark | Reel       | 1,000 ft | 612825220305 |
| 8919 0031000 | Orange      | Reel       | 1,000 ft | 612825220220 |
| 8919 002100  | Red         | Reel       | 100 ft   | 612825220190 |
| 8919 0021000 | Red         | Reel       | 1,000 ft | 612825220206 |
| 8919 009100  | White       | Reel       | 100 ft   | 612825220350 |
| 8919 0091000 | White       | Reel       | 1,000 ft | 612825220367 |
| 8919 004100  | Yellow      | Reel       | 100 ft   | 612825220251 |
| 8919 0041000 | Yellow      | Reel       | 1,000 ft | 612825220268 |

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

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.289 Revision Date: 07-26-2020 |
|----------------------|--|

© 2020 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.