



**Product:** [9982](#) 

Lead Wire, #20 Str TC, PVC Ins, AWM 1061

 [Request Sample](#)

## Product Description

Low Temp Plastic Lead Wire, 20AWG (7x28) Tinned Copper, PVC Insulation, AWM 1061 CSA AWM 300V 80C

## Technical Specifications

### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | inter-connection circuits, internal wiring of computer and electronic equipments |
|------------------------|--|

### Construction Details

#### Conductor

| Size   | Stranding | Material           |
|--------|-----------|--------------------|
| 20 AWG | 7x28      | TC - Tinned Copper |

#### Insulation

| Material                          | Nom. Thickness    | Nom. Insulation Diameter |
|-----------------------------------|-------------------|--------------------------|
| PVC - Polyvinyl Chloride          | 0.01 in (0.25 mm) | 0.057 in (1.4 mm)        |
| Overall Cable Diameter (Nominal): | 0.058 in (1.5 mm) |                          |

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR            | Max. Current                              |
|-------------------------------|---|
| 11.2 Ohm/1000ft (36.7 Ohm/km) | Single conductor in free air @ 30°C: 13 A |

#### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V             |

### Mechanical Characteristics

#### Temperature

| UL Temperature |
|----------------|
| 80°C           |

#### Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 0.24 in (6.1 mm) | 0.24 in (6.1 mm)  |

|                    |                            |
|--------------------|----------------------------|
| Max. Pull Tension: | 15 lbs (6.8 kg)            |
| Bulk Cable Weight: | 4.6 lbs/1000ft (6.8 kg/km) |

### Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Flammability / Reaction to Fire: | VW-1, FT1   |
| AWM Compliance:                  | AWM 1061, CSA AWM I A/B   |
| 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) |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.581 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

Variants

| Item #       | Color       | Putup Type | Length   | UPC          | Footnote |
|--------------|-------------|------------|----------|--------------|----------|
| 9982 010100  | Black       | Reel       | 100 ft   | 612825266532 |          |
| 9982 0101000 | Black       | Reel       | 1,000 ft | 612825266549 | P        |
| 9982 013100  | Blue, Dark  | Reel       | 100 ft   | 612825266556 |          |
| 9982 0131000 | Blue, Dark  | Reel       | 1,000 ft | 612825266563 | P        |
| 9982 0011000 | Brown       | Reel       | 1,000 ft | 612825266402 | P        |
| 9982 0081000 | Gray        | Reel       | 1,000 ft | 612825266495 |          |
| 9982 005100  | Green, Dark | Reel       | 100 ft   | 612825266464 |          |
| 9982 0051000 | Green, Dark | Reel       | 1,000 ft | 612825266471 | P        |
| 9982 0031000 | Orange      | Reel       | 1,000 ft | 612825266433 | P        |
| 9982 002100  | Red         | Reel       | 100 ft   | 612825266419 |          |
| 9982 0021000 | Red         | Reel       | 1,000 ft | 612825266426 | P        |
| 9982 0071000 | Violet      | Reel       | 1,000 ft | 612825266488 |          |
| 9982 009100  | White       | Reel       | 100 ft   | 612825266518 |          |
| 9982 0091000 | White       | Reel       | 1,000 ft | 612825266525 |          |
| 9982 004100  | Yellow      | Reel       | 100 ft   | 612825266440 |          |
| 9982 0041000 | Yellow      | Reel       | 1,000 ft | 612825266457 |          |

|           |   |
|-----------|---|
| 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'. |
|-----------|---|

© 2025 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.