



**Product:** [39128](#)

Lead Wire, #28 Str TC, PPO Ins, AWM 11028

[Request Sample](#)

### Product Description

Low Temp Plastic Lead Wire, 28AWG (7x36) Tinned Copper, PPO Insulation, AWM 11028 600V 105C VW-1

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Electrical panel builders, Electrical/electronic manufacturers, Appliance manufacturers, Furniture, Computer manufacturers, Automotive companies and their sub-suppliers |
|------------------------|--|

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 28  | 7x36      | TC - Tinned Copper | 1                 |

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

##### Insulation

| Material                  | Nominal Diameter | Nominal Wall Thickness |
|---------------------------|------------------|------------------------|
| PPO - Polyphenylene Oxide | 0.039 in         | 0.012 in               |

#### Electrical Characteristics

##### Conductor DCR

|                              |
|------------------------------|
| <b>Nominal Conductor DCR</b> |
| 62.5 Ohm/1000ft              |

##### Current

| Element                                    | Max. Recommended Current [A]             |
|--|--|
| Single Conductor in Free Air @ 30C Ambient | Single conductor in free air @ 30°C: 5 A |

##### Voltage

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

#### Temperature Range

|                              |                     |
|------------------------------|---------------------|
| UL Temp Rating:              | 105°C               |
| Operating Temperature Range: | -40°C To +105°C Dry |

#### Mechanical Characteristics

|                              |              |
|------------------------------|--------------|
| Bulk Cable Weight:           | 1 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.16 in      |

#### Standards

|                          |           |
|--------------------------|-----------|
| UL AWM Style Compliance: | AWM 11028 |
|--------------------------|-----------|

#### 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 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                                  | Yes                           |
| CA Prop 65:                                  | Yes                           |
| MII Order #39 (China RoHS):                  | Yes                           |

## Flammability, LSOH, Toxicity Testing

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

## Plenum/Non-Plenum

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

## Related Part Numbers

### Variants

| Item #        | Color       | Put-Up Type | Length   | UPC          |
|---------------|-------------|-------------|----------|--------------|
| 39128 010100  | Black       | Reel        | 100 ft   | 612825150978 |
| 39128 0101000 | Black       | Reel        | 1,000 ft | 612825150985 |
| 39128 0105000 | Black       | Reel        | 5,000 ft | 612825150992 |
| 39128 0135000 | Blue, Dark  | Reel        | 5,000 ft | 612825151029 |
| 39128 0011000 | Brown       | Reel        | 1,000 ft | 612825150749 |
| 39128 0015000 | Brown       | Reel        | 5,000 ft | 612825150756 |
| 39128 008100  | Gray        | Reel        | 100 ft   | 612825150916 |
| 39128 0081000 | Gray        | Reel        | 1,000 ft | 612825150923 |
| 39128 0085000 | Gray        | Reel        | 5,000 ft | 612825150930 |
| 39128 005100  | Green, Dark | Reel        | 100 ft   | 612825150855 |
| 39128 0055000 | Green, Dark | Reel        | 5,000 ft | 612825150879 |
| 39128 003100  | Orange      | Reel        | 100 ft   | 612825150794 |
| 39128 0031000 | Orange      | Reel        | 1,000 ft | 612825150800 |
| 39128 0035000 | Orange      | Reel        | 5,000 ft | 612825150817 |
| 39128 0025000 | Red         | Reel        | 5,000 ft | 612825150787 |
| 39128 0071000 | Violet      | Reel        | 1,000 ft | 612825150893 |
| 39128 0075000 | Violet      | Reel        | 5,000 ft | 612825150909 |
| 39128 009100  | White       | Reel        | 100 ft   | 612825150947 |
| 39128 0091000 | White       | Reel        | 1,000 ft | 612825150954 |
| 39128 0095000 | White       | Reel        | 5,000 ft | 612825150961 |
| 39128 004100  | Yellow      | Reel        | 100 ft   | 612825150824 |
| 39128 0045000 | Yellow      | Reel        | 5,000 ft | 612825150848 |

Footnote: C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

## Product Notes

|        |               |
|--------|---------------|
| Notes: | Halogen-free. |
|--------|---------------|

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.387 Revision Date: 02-03-2025 |
|----------------------|--|

© 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.

