



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         |  |
|-----------------------|--|
| Nominal Conductor DCR |  |
| 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           |  |
|-------------------|--|
| UL Voltage Rating |  |
| 600 V RMS         |  |

Temperature Range

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

Mechanical Characteristics

|                                 |              |
|---------------------------------|--------------|
| Bulk Cable Weight:              | 1 lbs/1000ft |
| Minimum Minor Axis Bend Radius: | 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 |
|----------------------|--|

