



## Product: [39128](#)

Lead Wire, #28 Str TC, PPO Ins, AWM 11028 600V 105C VW-1

 [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               |

##### Outer Jacket Material

|           |
|-----------|
| Material  |
| No Jacket |

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 59.25 Ohm/1000ft      |

##### Current

| Element                                    | Max. Recommended Current [A] |
|--|------------------------------|
| Single conductor in free air @ 30C ambient | 5.0 A                        |

##### Voltage

| UL Voltage Rating |
|-------------------|
| 600 V             |

#### Temperature Range

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

#### Mechanical Characteristics

|                    |              |
|--------------------|--------------|
| Bulk Cable Weight: | 1 lbs/1000ft |
|--------------------|--------------|

#### Standards

|                         |           |
|-------------------------|-----------|
| UL AWM Style:           | AWM 11028 |
| 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): | 2011-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

## Flammability, LS0H, Toxicity Testing

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

## Plenum/Non-Plenum

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

## Part Number

### Variants

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

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

|           |  |
|-----------|--|
| Footnote: | 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: 0.282 Revision Date: 04-02-2020 |
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