



Product: [39114](#)

Lead Wire, #14 Str TC, PPO Ins, AWM 11028

Request Sample

### Product Description

Low Temp Plastic Lead Wire, 14AWG (41x30) 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 |
|-----|-----------|--------------------|-------------------|
| 14  | 41x30     | TC - Tinned Copper | 1                 |

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

##### Insulation

| Material                  | Nominal Diameter | Nominal Wall Thickness |
|---------------------------|------------------|------------------------|
| PPO - Polyphenylene Oxide | 0.097 in         | 0.012 in               |

#### Electrical Characteristics

##### Conductor DCR

|                              |
|------------------------------|
| <b>Nominal Conductor DCR</b> |
| 2.7 Ohm/1000ft               |

##### Current

| Element                                    | Max. Recommended Current [A]              |
|--|---|
| Single Conductor in Free Air @ 30C Ambient | Single conductor in free air @ 30°C: 39 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:           | 14 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.39 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          |
|---------------|----------------------|-------------|----------|--------------|
| 39114 010100  | Black                | Reel        | 100 ft   | 612825148784 |
| 39114 0101000 | Black                | Reel        | 1,000 ft | 612825148791 |
| 39114 0105000 | Black                | Reel        | 5,000 ft | 612825148807 |
| 39114 013100  | Blue, Dark           | Reel        | 100 ft   | 612825148814 |
| 39114 0131000 | Blue, Dark           | Reel        | 1,000 ft | 612825148821 |
| 39114 0135000 | Blue, Dark           | Reel        | 5,000 ft | 612825148838 |
| 39114 001100  | Brown                | Reel        | 100 ft   | 612825148548 |
| 39114 0011000 | Brown                | Reel        | 1,000 ft | 612825148555 |
| 39114 0015000 | Brown                | Reel        | 5,000 ft | 612825148562 |
| 39114 008100  | Gray                 | Reel        | 100 ft   | 612825148722 |
| 39114 0085000 | Gray                 | Reel        | 5,000 ft | 612825148746 |
| 39114 005100  | Green, Dark          | Reel        | 100 ft   | 612825148661 |
| 39114 0051000 | Green, Dark          | Reel        | 1,000 ft | 612825148678 |
| 39114 0055000 | Green, Dark          | Reel        | 5,000 ft | 612825148685 |
| 39114 189100  | Green, Yellow Stripe | Reel        | 100 ft   | 612825148845 |
| 39114 1891000 | Green, Yellow Stripe | Reel        | 1,000 ft | 612825148852 |
| 39114 1895000 | Green, Yellow Stripe | Reel        | 5,000 ft | 612825148869 |
| 39114 003100  | Orange               | Reel        | 100 ft   | 612825148609 |
| 39114 0035000 | Orange               | Reel        | 5,000 ft | 612825148623 |
| 39114 002100  | Red                  | Reel        | 100 ft   | 612825148579 |
| 39114 0021000 | Red                  | Reel        | 1,000 ft | 612825148586 |
| 39114 0025000 | Red                  | Reel        | 5,000 ft | 612825148593 |
| 39114 0075000 | Violet               | Reel        | 5,000 ft | 612825148715 |
| 39114 009100  | White                | Reel        | 100 ft   | 612825148753 |
| 39114 0091000 | White                | Reel        | 1,000 ft | 612825148760 |
| 39114 0095000 | White                | Reel        | 5,000 ft | 612825148777 |
| 39114 004100  | Yellow               | Reel        | 100 ft   | 612825148630 |
| 39114 0045000 | Yellow               | Reel        | 5,000 ft | 612825148654 |

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: 0.389 Revision Date: 05-05-2023 |
|----------------------|--|

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