



Product: [39122](#)

Lead Wire, #22 Str TC, PPO Ins, AWM 11028

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 22AWG (7x30) 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 |
|-----|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|---------------------------|------------------|------------------------|
| PPO - Polyphenylene Oxide | 0.053 in | 0.012 in |

Electrical Characteristics

Conductor DCR

| |
|------------------------------|
| Nominal Conductor DCR |
| 16.2 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|--|---|
| Single Conductor in Free Air @ 30C Ambient | Single conductor in free air @ 30°C: 11 A |

Voltage

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

Temperature Range

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

Mechanical Characteristics

| | |
|------------------------------|----------------|
| Bulk Cable Weight: | 2.8 lbs/1000ft |
| Min. Bend Radius/Minor Axis: | 0.22 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 |
|---------------|-------------|-------------|----------|--------------|
| 39122 010100 | Black | Reel | 100 ft | 612825150077 |
| 39122 0101000 | Black | Reel | 1,000 ft | 612825150084 |
| 39122 0105000 | Black | Reel | 5,000 ft | 612825150091 |
| 39122 013100 | Blue, Dark | Reel | 100 ft | 612825150107 |
| 39122 0131000 | Blue, Dark | Reel | 1,000 ft | 612825150114 |
| 39122 0135000 | Blue, Dark | Reel | 5,000 ft | 612825150121 |
| 39122 001100 | Brown | Reel | 100 ft | 612825149835 |
| 39122 0011000 | Brown | Reel | 1,000 ft | 612825149842 |
| 39122 0015000 | Brown | Reel | 5,000 ft | 612825149859 |
| 39122 008100 | Gray | Reel | 100 ft | 612825150015 |
| 39122 0081000 | Gray | Reel | 1,000 ft | 612825150022 |
| 39122 0085000 | Gray | Reel | 5,000 ft | 612825150039 |
| 39122 005100 | Green, Dark | Reel | 100 ft | 612825149958 |
| 39122 0051000 | Green, Dark | Reel | 1,000 ft | 612825149965 |
| 39122 0055000 | Green, Dark | Reel | 5,000 ft | 612825149972 |
| 39122 003100 | Orange | Reel | 100 ft | 612825149897 |
| 39122 0031000 | Orange | Reel | 1,000 ft | 612825149903 |
| 39122 0035000 | Orange | Reel | 5,000 ft | 612825149910 |
| 39122 002100 | Red | Reel | 100 ft | 612825149866 |
| 39122 0021000 | Red | Reel | 1,000 ft | 612825149873 |
| 39122 0025000 | Red | Reel | 5,000 ft | 612825149880 |
| 39122 007100 | Violet | Reel | 100 ft | 612825149989 |
| 39122 0071000 | Violet | Reel | 1,000 ft | 612825149996 |
| 39122 0075000 | Violet | Reel | 5,000 ft | 612825150008 |
| 39122 009100 | White | Reel | 100 ft | 612825150046 |
| 39122 0091000 | White | Reel | 1,000 ft | 612825150053 |
| 39122 0095000 | White | Reel | 5,000 ft | 612825150060 |
| 39122 004100 | Yellow | Reel | 100 ft | 612825149927 |
| 39122 0041000 | Yellow | Reel | 1,000 ft | 612825149934 |
| 39122 0045000 | Yellow | Reel | 5,000 ft | 612825149941 |

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

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| Notes: | Halogen-free. |
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History

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| Update and Revision: | Revision Number: 0.389 Revision Date: 05-05-2023 |
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