



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

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

History

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

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