



Product: [39124](#)

Lead Wire, #24 Str TC, PPO Ins, AWM 11028 600V 105C VW-1

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 24AWG (7x32) 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 |
|-----|-----------|--------------------|-------------------|
| 24 | 7x32 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|---------------------------|------------------|------------------------|
| PPO - Polyphenylene Oxide | 0.048 in | 0.012 in |

Electrical Characteristics

Conductor DCR

| |
|------------------------------|
| Nominal Conductor DCR |
| 23.75 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|--|------------------------------|
| Single conductor in free air @ 30C ambient | 8.5 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: | 2 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, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------------|------------|----------|--------------|
| 39124 010100 | Black | Reel | 100 ft | 612825150374 |
| 39124 0101000 | Black | Reel | 1,000 ft | 612825150381 |
| 39124 0105000 | Black | Reel | 5,000 ft | 612825150398 |
| 39124 013100 | Blue, Dark | Reel | 100 ft | 612825150404 |
| 39124 0131000 | Blue, Dark | Reel | 1,000 ft | 612825150411 |
| 39124 0135000 | Blue, Dark | Reel | 5,000 ft | 612825150428 |
| 39124 001100 | Brown | Reel | 100 ft | 612825150138 |
| 39124 0011000 | Brown | Reel | 1,000 ft | 612825150145 |
| 39124 0015000 | Brown | Reel | 5,000 ft | 612825150152 |
| 39124 008100 | Gray | Reel | 100 ft | 612825150312 |
| 39124 0085000 | Gray | Reel | 5,000 ft | 612825150336 |
| 39124 005100 | Green, Dark | Reel | 100 ft | 612825150251 |
| 39124 0051000 | Green, Dark | Reel | 1,000 ft | 612825150268 |
| 39124 0055000 | Green, Dark | Reel | 5,000 ft | 612825150275 |
| 39124 003100 | Orange | Reel | 100 ft | 612825150190 |
| 39124 0035000 | Orange | Reel | 5,000 ft | 612825150213 |
| 39124 002100 | Red | Reel | 100 ft | 612825150169 |
| 39124 0021000 | Red | Reel | 1,000 ft | 612825150176 |
| 39124 0025000 | Red | Reel | 5,000 ft | 612825150183 |
| 39124 007100 | Violet | Reel | 100 ft | 612825150282 |
| 39124 0071000 | Violet | Reel | 1,000 ft | 612825150299 |
| 39124 0075000 | Violet | Reel | 5,000 ft | 612825150305 |
| 39124 009100 | White | Reel | 100 ft | 612825150343 |
| 39124 0091000 | White | Reel | 1,000 ft | 612825150350 |
| 39124 0095000 | White | Reel | 5,000 ft | 612825150367 |
| 39124 004100 | Yellow | Reel | 100 ft | 612825150220 |
| 39124 0045000 | Yellow | Reel | 5,000 ft | 612825150244 |

| | |
|-----------|--|
| 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

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| Notes: | Halogen-free. |
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History

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| Update and Revision: | Revision Number: 0.288 Revision Date: 04-28-2020 |
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