



REPRESENTATIVE IMAGE

Product: [39118](#)

Lead Wire, #18 Str TC, PPO Ins, AWM 11028

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 18AWG (16x30) 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 |
|-----|-----------|--------------------|-------------------|
| 18 | 16x30 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|---------------------------|------------------|------------------------|
| PPO - Polyphenylene Oxide | 0.069 in | 0.012 in |

Electrical Characteristics

Conductor DCR

| |
|------------------------------|
| Nominal Conductor DCR |
| 6.5 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|--------------------------------------------|-------------------------------------------|
| Single conductor in free air @ 30C ambient | Single conductor in free air @ 30°C: 20 A |

Voltage

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

Temperature Range

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

Mechanical Characteristics

| | |
|--------------------|--------------|
| Bulk Cable Weight: | 6 lbs/1000ft |
|--------------------|--------------|

Standards

| | |
|--------------------------|--------------------|
| UL AWM Style Compliance: | UL AWM Style 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 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 |
| 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 |
|---------------|----|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|----------------------|------------|----------|--------------|
| 39118 010100 | Black | Reel | 100 ft | 612825149446 |
| 39118 0101000 | Black | Reel | 1,000 ft | 612825149453 |
| 39118 0105000 | Black | Reel | 5,000 ft | 612825149460 |
| 39118 013100 | Blue, Dark | Reel | 100 ft | 612825149477 |
| 39118 0131000 | Blue, Dark | Reel | 1,000 ft | 612825149484 |
| 39118 0135000 | Blue, Dark | Reel | 5,000 ft | 612825149491 |
| 39118 001100 | Brown | Reel | 100 ft | 612825149200 |
| 39118 0011000 | Brown | Reel | 1,000 ft | 612825149217 |
| 39118 0015000 | Brown | Reel | 5,000 ft | 612825149224 |
| 39118 008100 | Gray | Reel | 100 ft | 612825149385 |
| 39118 0081000 | Gray | Reel | 1,000 ft | 612825149392 |
| 39118 0085000 | Gray | Reel | 5,000 ft | 612825149408 |
| 39118 005100 | Green, Dark | Reel | 100 ft | 612825149323 |
| 39118 0051000 | Green, Dark | Reel | 1,000 ft | 612825149330 |
| 39118 0055000 | Green, Dark | Reel | 5,000 ft | 612825149347 |
| 39118 189100 | Green, Yellow Stripe | Reel | 100 ft | 612825149507 |
| 39118 1891000 | Green, Yellow Stripe | Reel | 1,000 ft | 612825149514 |
| 39118 1895000 | Green, Yellow Stripe | Reel | 5,000 ft | 612825149521 |
| 39118 003100 | Orange | Reel | 100 ft | 612825149262 |
| 39118 0031000 | Orange | Reel | 1,000 ft | 612825149279 |
| 39118 0035000 | Orange | Reel | 5,000 ft | 612825149286 |
| 39118 002100 | Red | Reel | 100 ft | 612825149231 |
| 39118 0021000 | Red | Reel | 1,000 ft | 612825149248 |
| 39118 0025000 | Red | Reel | 5,000 ft | 612825149255 |
| 39118 007100 | Violet | Reel | 100 ft | 612825149354 |
| 39118 0071000 | Violet | Reel | 1,000 ft | 612825149361 |
| 39118 0075000 | Violet | Reel | 5,000 ft | 612825149378 |
| 39118 009100 | White | Reel | 100 ft | 612825149415 |
| 39118 0091000 | White | Reel | 1,000 ft | 612825149422 |
| 39118 0095000 | White | Reel | 5,000 ft | 612825149439 |
| 39118 004100 | Yellow | Reel | 100 ft | 612825149293 |
| 39118 0041000 | Yellow | Reel | 1,000 ft | 612825149309 |
| 39118 0045000 | Yellow | Reel | 5,000 ft | 612825149316 |

| | |
|-----------|------------------------------------------------------------------------------------------------------------------|
| 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: 0.315 Revision Date: 08-12-2020

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