



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

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 1 | 18 AWG | 16x30 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter |
|---------------------------|--------------------|--------------------------|
| PPO - Polyphenylene Oxide | 0.012 in (0.30 mm) | 0.069 in (1.8 mm) |

| | |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | 0.069 in (1.8 mm) |
|-----------------------------------|-------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current |
|--------------------|---|
| 6.5 Ohm/1000ft | Single conductor in free air @ 30°C: 20 A |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|---------------------|
| 105°C | -40°C To +105°C Dry |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 0.69 in (18 mm) | 0.69 in (18 mm) |

| | |
|--------------------|-----------------|
| Max. Pull Tension: | 16 lbs (7.3 kg) |
| Bulk Cable Weight: | 6 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|-----------------|
| Environmental Suitability: | Indoor, Outdoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | VW-1 |
| AWM Compliance: | AWM 11028 |

Product Notes

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

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.490 Revision Date: 01-20-2023 |
|----------------------|--|

Part Numbers

Variants

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

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