



Product: [39128](#)

Lead Wire, #28 Str TC, PPO Ins, AWM 11028 600V 105C VW-1

[Request Sample](#)

Product Description

Low Temp Plastic Lead Wire, 28AWG (7x36) 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 |
|-----|-----------|--------------------|-------------------|
| 28 | 7x36 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|---------------------------|------------------|------------------------|
| PPO - Polyphenylene Oxide | 0.039 in | 0.012 in |

Outer Jacket Material

| Material |
|-----------|
| No Jacket |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 59.25 Ohm/1000ft |

Current

| Element | Max. Recommended Current [A] |
|--------------------------------------------|------------------------------|
| Single conductor in free air @ 30C ambient | 5.0 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: | 1 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 |
| MIL Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | UPC | Length | Footnote |
|---------------|-------------|--------------|----------|----------|
| 39128 010100 | Black | 612825150978 | 100 ft | C |
| 39128 0101000 | Black | 612825150985 | 1,000 ft | C |
| 39128 0105000 | Black | 612825150992 | 5,000 ft | C Z |
| 39128 0135000 | Blue, Dark | 612825151029 | 5,000 ft | C Z |
| 39128 0011000 | Brown | 612825150749 | 1,000 ft | C |
| 39128 0015000 | Brown | 612825150756 | 5,000 ft | C Z |
| 39128 008100 | Gray | 612825150916 | 100 ft | C |
| 39128 0081000 | Gray | 612825150923 | 1,000 ft | C |
| 39128 0085000 | Gray | 612825150930 | 5,000 ft | C Z |
| 39128 005100 | Green, Dark | 612825150855 | 100 ft | C |
| 39128 0055000 | Green, Dark | 612825150879 | 5,000 ft | C Z |
| 39128 003100 | Orange | 612825150794 | 100 ft | C |
| 39128 0031000 | Orange | 612825150800 | 1,000 ft | C |
| 39128 0035000 | Orange | 612825150817 | 5,000 ft | C Z |
| 39128 0025000 | Red | 612825150787 | 5,000 ft | C Z |
| 39128 0071000 | Violet | 612825150893 | 1,000 ft | |
| 39128 0075000 | Violet | 612825150909 | 5,000 ft | C Z |
| 39128 009100 | White | 612825150947 | 100 ft | |
| 39128 0091000 | White | 612825150954 | 1,000 ft | |
| 39128 0095000 | White | 612825150961 | 5,000 ft | C Z |
| 39128 004100 | Yellow | 612825150824 | 100 ft | C |
| 39128 0045000 | Yellow | 612825150848 | 5,000 ft | C Z |

| | |
|-----------|------------------------------------------------------------------------------------------------------------------|
| 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: 0.282 Revision Date: 04-02-2020 |
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