



Product: [83008](#)

Lead Wire, #20 Str SPC, TFE Ins, AWM 1213

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Product Description
High Temp Plastic Lead Wire, 20AWG (7x28) Silver Plated Copper, TFE Insulation, AWM 1213 105C TYPE E MIL-W-16878/4 600V 200C

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | high temperature, inter-connection circuits, internal wiring of computer and electronic equipments, (Type E) MIL-W-16878/4 applications |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|------|-----------|----------------------|
| Conductor(s) | 1 | 20 | 7x28 | SC - Silvered Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter |
|--------------------------------|-------------------|--------------------------|
| PTFE - Polytetrafluoroethylene | 0.01 in (0.25 mm) | 0.058 in (1.5 mm) |

| | |
|-----------------------------------|-------------------|
| Overall Cable Diameter (Nominal): | 0.058 in (1.5 mm) |
|-----------------------------------|-------------------|

Electrical Characteristics

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature |
|----------------|
| 105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|------------------|-------------------|
| 0.24 in (6.1 mm) | 0.24 in (6.1 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 12.6 lbs (5.72 kg) |
| Bulk Cable Weight: | 5.2 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | VW-1 |
| AWM Compliance: | AWM 1213 |
| NEMA Compliance: | HP3 |
| Military Compliance: | MIL-W-16878/4 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.455 Revision Date: 01-20-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---------------|-------------|------------|----------|--------------|----------|
| 83008 010100 | Black | Reel | 100 ft | 612825354093 | |
| 83008 0101000 | Black | Reel | 1,000 ft | 612825354086 | S W |
| 83008 006100 | Blue, Light | Reel | 100 ft | 612825354024 | |
| 83008 0061000 | Blue, Light | Reel | 1,000 ft | 612825354109 | S W |
| 83008 001100 | Brown | Reel | 100 ft | | |
| 83008 005100 | Green, Dark | Reel | 100 ft | 612825354079 | |
| 83008 0051000 | Green, Dark | Reel | 1,000 ft | 612825354017 | S W |
| 83008 003100 | Orange | Reel | 100 ft | | |
| 83008 0031000 | Orange | Reel | 1,000 ft | | S W |
| 83008 002100 | Red | Reel | 100 ft | 612825353997 | |
| 83008 0021000 | Red | Reel | 1,000 ft | 612825354208 | S W |
| 83008 009100 | White | Reel | 100 ft | 612825354192 | |
| 83008 0091000 | White | Reel | 1,000 ft | 612825378389 | S W |
| 83008 004100 | Yellow | Reel | 100 ft | 612825354185 | |
| 83008 0041000 | Yellow | Reel | 1,000 ft | | S W |

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