



Product: [83008](#)

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

Request Sample

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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material             | No. of Conductors |
|-----|-----------|----------------------|-------------------|
| 20  | 7x28      | SC - Silvered Copper | 1                 |

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

Insulation

| Material                       | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------|------------------|------------------------|
| PTFE - Polytetrafluoroethylene | 0.058 in         | 0.01 in                |

Electrical Characteristics

Voltage

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

Temperature Range

|                     |       |
|---------------------|-------|
| Non-UL Temp Rating: | 200°C |
| UL Temp Rating:     | 105°C |

Mechanical Characteristics

|                             |                |
|-----------------------------|----------------|
| Bulk Cable Weight:          | 5.2 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 0.24 in        |

Standards

|                          |                   |
|--------------------------|-------------------|
| UL AWM Style Compliance: | UL AWM Style 1213 |
| NEMA Compliance:         | HP3               |
| Military Compliance:     | MIL-W-16878/4     |

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): | 2005-04-01 |
| 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          |
|---------------|-------------|------------|----------|--------------|
| 83008 010100  | Black       | Reel       | 100 ft   | 612825354093 |
| 83008 0101000 | Black       | Reel       | 1,000 ft | 612825354086 |
| 83008 006100  | Blue, Light | Reel       | 100 ft   | 612825354024 |
| 83008 0061000 | Blue, Light | Reel       | 1,000 ft | 612825354109 |
| 83008 001100  | Brown       | Reel       | 100 ft   |              |
| 83008 005100  | Green, Dark | Reel       | 100 ft   | 612825354079 |
| 83008 0051000 | Green, Dark | Reel       | 1,000 ft | 612825354017 |
| 83008 003100  | Orange      | Reel       | 100 ft   |              |
| 83008 0031000 | Orange      | Reel       | 1,000 ft |              |
| 83008 002100  | Red         | Reel       | 100 ft   | 612825353997 |
| 83008 0021000 | Red         | Reel       | 1,000 ft | 612825354208 |
| 83008 009100  | White       | Reel       | 100 ft   | 612825354192 |
| 83008 0091000 | White       | Reel       | 1,000 ft | 612825378389 |
| 83008 004100  | Yellow      | Reel       | 100 ft   | 612825354185 |
| 83008 0041000 | Yellow      | Reel       | 1,000 ft |              |

|           |   |
|-----------|---|
| Footnote: | S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE) |
| Footnote: | W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'.  |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.299 Revision Date: 11-17-2020 |
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