



**Product:** [83007](#)

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

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**Product Description**

High Temp Plastic Lead Wire, 20AWG (19x32) 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**

| AWG | Stranding | Material             |
|-----|-----------|----------------------|
| 20  | 19x32     | SC - Silvered Copper |

**Insulation**

| Material                       | Thickness | Nom. Insulation Diameter |
|--------------------------------|-----------|--------------------------|
| PTFE - Polytetrafluoroethylene | 0.009 in  | 0.056                    |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.058 in |
|---------------------------|----------|

**Electrical Characteristics**

**Electricals**

| Nom. Conductor DCR | Max. Current                                 |
|--------------------|----------------------------------------------|
| 9 Ohm/1000ft       | Mil-Std-975M Table 3.16 (single wire): 6.5 A |

**Voltage**

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

**Mechanical Characteristics**

**Temperature**

| UL Rating | Operating       |
|-----------|-----------------|
| 105°C     | -70°C To +200°C |

**Bend Radius**

| Stationary Min. |
|-----------------|
| 0.24 in         |

|                    |              |
|--------------------|--------------|
| Bulk Cable Weight: | 5 lbs/1000ft |
|--------------------|--------------|

**Standards and Compliance**

|                                 |                   |
|---------------------------------|-------------------|
| Sustainability:                 | CA Prop 65        |
| Flammability / Fire Resistance: | VW-1              |
| AWM Compliance:                 | UL AWM Style 1213 |
| NEMA Compliance:                | HP3               |
| Military Compliance:            | MIL-W-16878/4     |

|                                |                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------|
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)                                                                         |

## History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.326 Revision Date: 11-17-2020 |
|----------------------|--------------------------------------------------|

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