



**Part Number:** 83318E

MIL-W-16878/4 (Type E), (2) 24 AWG (19x36) SPC, TFE/TFE, SPC Braid Shld

[Request Sample](#)

**Product Description**

Two 24 AWG stranded (19x36) silver-plated copper conductors, Teflon® (TFE) insulation, silver plated copper braid shield (85% coverage), Teflon® (TFE) jacket.

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
24	19x36	SPC - Silver Plated Copper	2

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	24 AWG

**Insulation**

Material	Material Trade Name	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.01 in

**Color Chart**

Number	Color
1	White
2	Black

**Outer Shield Material**

Type	Material	Coverage [%]
Braid	SPC - Silver Plated Copper	85 %

**Outer Jacket Material**

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.131 in	0.011 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
23 Ohm/1000ft	8 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26.5 pF/ft	42.4 pF/ft

**Inductance**

Nominal Inductance
0.12 µH/ft

**Current**

Max. Recommended Current [A]
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4 Amps per conductor @ 25°C

## Voltage

### UL Voltage Rating

600 V RMS

## Temperature Range

Operating Temp Range: -65°C To +200°C

## Mechanical Characteristics

Bulk Cable Weight: 14 lbs/1000ft

Max Recommended Pulling Tension: 31.6 lbs

Min Bend Radius/Minor Axis: 1.5 in

## Standards

CPR Euroclass: Eca

Military Specification: MIL-W-16878/4 (Type E except stranding), (insulated conductors)

Other Specification: NEMA HP3

## 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): 2005-01-01

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

## Flammability, LS0H, Toxicity Testing

UL voltage rating: 600 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

### Variants

Item #	Color	Footnote
83318E 009100	White	E
83318E 0091000	White	E
83318E 009500	White	E

Footnote: E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.

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