

Part Number: 83322E

MIL-W -16878/4 (Type E), (2) 16 AWG (19x29) SPC,
TFE/TFE, SPC Braid Shld

Product Description

Two 16 AWG stranded (19x29) silver-plated copper conductors, Teflon® (TFE) insulation, silver plated copper braid shield (85% coverage), Teflon® (TFE) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
16	19x29	SPC - Silver Plated Copper	2
Total Number of Conductors:			2

Insulation:

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

Color Chart 1:

Number	Color
1	White
2	Black

Cabling 1:

Lay Length	Lay Direction	Twists
2 in	Left Hand	6 twist/ft

Outershield 1:

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

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	Teflon®	0.197 in	0.011 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
4.4 Ohm/1000ft	4.4 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
36 pF/ft	60 pF/ft

Current:

Element	Max. Recommended Current [A]
35C Temperature Rise	11 Amps per conductor @ 25°C ambient

Inductance:

Nominal Inductance
0.155 µH/ft

Voltage:

Non-UL Voltage Rating
600 V RMS

Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	95.5 lbs

Safety

Temperature Range

Operating Temp Range:	-65°C To +200°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	2 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
Military Specification:	Military Specification
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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Product Variants

Part Number	Color	Put-Up Type	Length
83322E 0091000	WHITE	Reel	1000 ft
83322E 009100	WHITE	Reel	100 ft
83322E 009500	WHITE	Reel	500 ft

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