

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

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83317E Multi-Conductor - MIL-W-16878/4 (Type E), 2 Conductors Cabled

For more Information
please call

1-800-Belden1



Description:

26 AWG stranded (7x34) silver-plated copper conductors, cabled and color-coded, extruded TFE Teflon® insulation, silver plated copper braid shield (85% coverage), TFE teflon tape-wrapped jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	26	7x34	SPC - Silver Plated Copper

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Teflon®	TFE - Tetrafluoroethylene	0.254

Insulation Resistance:

100, 000 Megaohms/1000 ft. @ 500 V DC

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Teflon®	TFE - Tetrafluoroethylene	0.2794

Overall Cabling

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (m.)
25.3999	3.6576

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black

Overall Nominal Diameter:

3.073 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -65°C To +200°C

Bulk Cable Weight: 17.263 Kg/Km

Max. Recommended Pulling Tension: 119.212 N

Min. Bend Radius (Install)/Minor Axis: 31.750 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Military Specification:	MIL-W-16878/4 (Type E insulated conductors)

Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μ H/m)
0.45934

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
68.2448

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
116.476

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
127.959

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
22.967

Max. Operating Voltage - UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
3 Amps per conductor @ 25°C

Notes (Overall)

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83317E 009100	30 MT	0.590 KG	WHITE	E	2 #26 TFE BRD TFE TAPE
83317E 0091000	305 MT	5.897 KG	WHITE	E	2 #26 TFE BRD TFE TAPE
83317E 009500	152 MT	2.948 KG	WHITE	E	2 #26 TFE BRD TFE TAPE

Notes:

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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.