

83347E Multi-Conductor - MIL-W-16878/4 (Type E)



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
4	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.)
31.749875	2.92608

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red
4	Green

Overall Nominal Diameter: 3.480 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 25.448 Kg/Km

Max. Recommended Pulling Tension: 172.590 N

Min. Bend Radius (Install)/Minor Axis: 34.925 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

EU CE Mark: Yes

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EU Directive 2000/53/EC (ELV):	Yes
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
MIL 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 (µH/m)
0.45934

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
60.6985

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
100.071

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
127.959

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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83347E 009100	30 MT	1.134 KG	WHITE	E	4 #26 TFE BRD TFE TAPE
83347E 0091000	305 MT	8.165 KG	WHITE	E	4 #26 TFE BRD TFE TAPE
83347E 009500	152 MT	4.536 KG	WHITE	E	4 #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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