Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

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

For more Information
please call

1-800-Belden1

General 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

Total Number of Conductors:	4

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 Cable

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:	25.299 Kg/Km
Max. Recommended Pulling Tension:	172.590 N
Min. Bend Radius/Minor Axis:	38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
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
MII Order #39 (China RoHS):	Yes

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Military Specification:	MIL-W-16878/4 (Type E, insulated conductors)
Other Specification:	NEMA HP3

Plenum/Non-Plenum

Plenum (Y/N):	No

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	100 FT	2.500 LB	WHITE	E	4 #26 TFE BRD TFE TAPE
83347E 0091000	1,000 FT	18.000 LB	WHITE	E	4 #26 TFE BRD TFE TAPE

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

Revision Number: 6 Revision Date: 09-04-2012