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1-800-Belden1



## General Description:

18 AWG stranded (19x30) 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
3	18	19x30	SPC - Silver Plated Copper

Total Number of Conductors: 3

### Insulation

#### Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Teflon®	TFE - Tetrafluoroethylene	0.2794

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

Overall Nominal Diameter: 4.801 mm

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 55.063 Kg/Km

Max. Recommended Pulling Tension: 483.964 N

Min. Bend Radius/Minor Axis: 50.800 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

## 83336E Multi-Conductor - MIL-W-16878/4 (Type E)

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 except stranding), (insulated conductors)
Other Specification:	NEMA HP3

### Plenum/Non-Plenum

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

#### Nom. Inductance:

Inductance (µH/m)
0.374034

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
101.711

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
173.237

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
18.7017

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
14.7645

#### Max. Operating Voltage - UL:

Voltage
600 V RMS

#### Max. Recommended Current:

Current
8.2 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
83336E 009100	30 MT	1.996 KG	WHITE	E	3 #18 TFE BRD TFE TAPE
83336E 0091000	305 MT	17.690 KG	WHITE	E	3 #18 TFE BRD TFE TAPE
83336E 009500	152 MT	9.072 KG	WHITE	E	3 #18 TFE BRD TFE TAPE

#### Notes:

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

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### 83336E Multi-Conductor - MIL-W-16878/4 (Type E)

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