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1-800-Belden1



## General Description:

24 AWG stranded (19x36) 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	24	19x36	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: 3.785 mm

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 31.252 Kg/Km

Max. Recommended Pulling Tension: 237.534 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

METRIC MEASUREMENT VERSION

## 83348E Multi-Conductor - MIL-W-16878/4 (Type E)

<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Military Specification:</b>	MIL-W-16878/4 (Type E, except stranding, insulated conductors)
<b>Other Specification:</b>	NEMA HP3

### Plenum/Non-Plenum

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

#### Nom. Inductance:

<b>Inductance (µH/m)</b>
0.39372

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
71.8539

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

<b>Capacitance (pF/m)</b>
120.741

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
76.4473

#### Max. Operating Voltage - UL:

<b>Voltage</b>
600 V RMS

#### Max. Recommended Current:

<b>Current</b>
4 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
83348E 009100	100 FT	2.700 LB	WHITE	E	4 #24 TFE BRD TFE TAPE
83348E 0091000	1,000 FT	22.000 LB	WHITE	E	4 #24 TFE BRD TFE TAPE
83348E 009500	500 FT	11.500 LB	WHITE	E	4 #24 TFE BRD TFE TAPE

#### Notes:

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

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