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please call

1-800-Belden1



### General Description:

20 AWG stranded (19x32) 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	20	19x32	SPC - Silver Plated Copper

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Teflon®	TFE - Tetrafluoroethylene	.010

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 (in.)
Teflon®	TFE - Tetrafluoroethylene	0.010

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red

Overall Nominal Diameter: 0.168 in.

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 28 lbs/1000 ft.

Max. Recommended Pulling Tension: 74.800 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

### 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

MIL 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

**Electrical Characteristics (Overall)**

**Nom. Inductance:**

Inductance (µH/ft)  
.124

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)  
31.7

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

Capacitance (pF/ft)  
51.0

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
7.3

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
4.4

**Max. Operating Voltage - UL:**

Voltage  
600 V RMS

**Max. Recommended Current:**

Current  
6.5 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
83335E 009100	100 FT	3.400 LB	WHITE	E	3 #20 TFE BRD TFE TAPE
83335E 0091000	1,000 FT	29.000 LB	WHITE	E	3 #20 TFE BRD TFE TAPE
83335E 009500	500 FT	15.000 LB	WHITE	E	3 #20 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 2014/35/EU).