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1-800-Belden1



## General Description:

26 AWG stranded (7x34) .020" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (95% coverage), FEP jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	26	7x34	SPCCS - Silver Plated Copper Covered Steel	0.508

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	TFE - Tetrafluoroethylene	1.4732

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	95

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

### Overall Cable

Overall Nominal Diameter: 2.489 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 14.882 Kg/Km

Max. Recommended Pulling Tension: 93.412 N

Min. Bend Radius/Minor Axis: 25.400 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

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-C-17, M17/113-RG316
RG Type:	316/U

### Plenum/Non-Plenum

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

### Nom. Characteristic Impedance:

Impedance (Ohm)

50

### Nom. Inductance:

Inductance (µH/m)

0.219827

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

95.149

### Nominal Velocity of Propagation:

VP (%)

69.5

### Nominal Delay:

Delay (ns/m)

4.85588

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

275.932

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	3.937
10.000	8.859
50.000	18.374
100.000	27.232
200.000	39.372
400.000	57.418
700.000	77.760
900.000	89.571
1000.000	95.149
1500.000	119.757
2000.000	139.443
2400.000	154.863
3000.000	175.862

### Max. Operating Voltage - Other:

Voltage	Description
Military Specification	900 V RMS

### Minimum Structural Return Loss:

Freq. (MHz)	Min. SRL (dB)
50.000	30.000
100.000	30.000
400.000	23.000
1000.000	21.000

3000.000	17.000
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## 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
83284 009100	100 FT	1.100 LB	WHITE	E	RG316 COAX
83284 0091000	1,000 FT	11.000 LB	WHITE	E	RG316 COAX
83284 009500	500 FT	6.000 LB	WHITE	E	RG316 COAX

**Notes:**

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

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