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1-800-Belden1



## 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. (in.)
1	26	7x34	SPCCS - Silver Plated Copper Covered Steel	.020

### Insulation

#### Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	TFE - Tetrafluoroethylene	.058

### 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: 0.098 in.

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 10 lbs/1000 ft.

Max. Recommended Pulling Tension: 21 lbs.

Min. Bend Radius (Install)/Minor Axis: 1 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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

<b>Military Specification:</b>	M17/113-RG316
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<b>RG Type:</b>	316/U
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**Plenum/Non-Plenum**

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

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**

50

**Nom. Inductance:**

**Inductance (µH/ft)**

0.067

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**

29.0

**Nominal Velocity of Propagation:**

**VP (%)**

69.5

**Nominal Delay:**

**Delay (ns/ft)**

1.48

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

84.1

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**

6.5

**Nom. Attenuation:**

**Freq. (MHz) Attenuation (dB/100 ft.)**

1.000	1.200
10.000	2.700
50.000	5.600
100.000	8.300
200.000	12.000
400.000	17.500
700.000	23.700
900.000	27.300
1000.000	29.000
1500.000	36.500
2000.000	42.500
2400.000	47.200
3000.000	53.600

**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

## Notes (Overall)

**Notes:** Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
84316 001100	100 FT	1.100 LB	BROWN	E	M17/13-RG316 COAX
84316 0011000	1,000 FT	11.000 LB	BROWN	E	M17/13-RG316 COAX
84316 001500	500 FT	6.000 LB	BROWN	E	M17/13-RG316 COAX

**Notes:**

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

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