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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

Military Specification: M17/113-RG316

RG Type: 316/U

Flame Test

UL Flame Test: UL1685 UL Loading, VW-1

Plenum/Non-Plenum

Plenum (Y/N): No

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

Typical Structural Return Loss:

Freq. (MHz) Typical SRL (dB)

| | |
|------|----|
| 50 | 30 |
| 100 | 30 |
| 400 | 23 |
| 1000 | 21 |

| | |
|------|----|
| 3000 | 17 |
|------|----|

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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