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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: | MIL-C-17, M17/113-RG316 |
|--------------------------------|-------------------------|

| | |
|-----------------|-------|
| RG Type: | 316/U |
|-----------------|-------|

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 |

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.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|--------------------|
| 83284 009100 | 100 FT | 1.100 LB | WHITE | E | M17/113-RG316 COAX |
| 83284 0091000 | 1,000 FT | 11.000 LB | WHITE | E | M17/113-RG316 COAX |
| 83284 009500 | 500 FT | 6.000 LB | WHITE | E | M17/113-RG316 COAX |

Notes:

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

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