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1-800-Belden1



General Description:

26 AWG solid .016" silver-plated copper conductor(s), foam HDPE insulation, Beldfoil® + tinned copper braid shield (95% coverage), PVC jackets. (2) of these coax run parallel under an overall common jacket. PVC insulated tracer wire in Siamese config.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------|------------|
| 2 | 26 | Solid | SPC - Silver Plated Copper | .0165 |

Total Number of Conductors: 3

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--|------------|
| FHDPE - Foam High Density Polyethylene | .077 |

Inner Shield

Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1 | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100.000 |
| 2 | | Braid | TC - Tinned Copper | 95.000 |

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | .129 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 0.179 x 0.308 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

Bulk Cable Weight: 40 lbs/1000 ft.

Max. Recommended Pulling Tension: 54 lbs.

Min. Bend Radius/Minor Axis: 1.250 in.

Min. Bend Radius (Overall): 3.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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): 01/01/2004

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 |
| Other Specification: | Telcordia Specification GR-139-CORE. |

Flame Test

| | |
|-----------------|-----------------------|
| UL Flame Test: | UL1666 Vertical Shaft |
| CSA Flame Test: | FT4 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

.19

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.7

Nominal Velocity of Propagation:

VP (%)

76

Nominal Delay:

Delay (ns/ft)

1.34

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

41

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.3

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Other Electrical Characteristic 1: Impedance tested in Accordance with ASTM D-4566 Paragraph 43.2, Option 2 Using a 75 Ohm Fixed Bridge and Termination.

Other Electrical Characteristic 2: RL tested in Accordance with ASTM D-4566 Paragraph 45.3, Using a 75 Ohm Fixed Bridge and Termination.

Minimum Return Loss:

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------|-------------|-------------------|------------------|--------------|
| | | 15 | 95 | 30 |

Sweep Test

Sweep Testing: 100%

Notes (Overall)

Notes: Tracer: 22 AWG (7x30) .080 TC - Tinned Copper.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|--------------------------|
| 73502T 0081000 | 1,000 FT | 43,000 LB | GRAY | C | DUAL #26 SH + 1#22 FRPVC |
| 73502T 008500 | 500 FT | 20,500 LB | GRAY | C | DUAL #26 SH + 1#22 FRPVC |

Notes:
C = CRATE REEL PUT-UP.

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