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1-800-Belden1



General Description:

25 AWG solid tinned copper conductors, foam polyethylene insulation, Duofoil®(100% coverage) plus a tinned copper braid shield (95% coverage), inner PVC jacket, outer PVC jacket with ripcord.

Physical Characteristics (Overall)

Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 5 | 25 | Solid | TC - Tinned Copper | .0179 |

Total Number of Conductors: 5

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|-------------------------|------------|
| FPE - Foam Polyethylene | 0.074 |

Inner Shield

Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|---------|-------------------------|-------|--|--------------|
| 1 | Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | TC - Tinned Copper | 95 |

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | .114 |

Outer Jacket

Outer Jacket Material:

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

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.382 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Max. Recommended Pulling Tension: 130 lbs.

Min. Bend Radius (Each Coax): 1.250 in.

Min. Bend Radius (Overall): 4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMR

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

Flame Test

UL Flame Test: UL1666 Riser

Suitability

Suitability - Indoor: Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
.087

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.0

Nominal Velocity of Propagation:

VP (%)
80

Nominal Delay:

Delay (ns/ft)
1.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
34

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.4

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | 0.52 |
| 5 | 1.17 |
| 50 | 3.70 |
| 100 | 4.90 |
| 200 | 6.70 |
| 400 | 9.50 |
| 750 | 13.40 |
| 900 | 15.00 |
| 1000 | 15.80 |
| 3000 | 31.20 |

Max. Operating Voltage - UL:

Voltage
300 V RMS

Minimum Return Loss:

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------|-------------|-------------------|------------------|--------------|
| | | 5 | 850 | 20 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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