

For more Information
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1-800-Belden1



General Description:

25 AWG stranded (7x33) conductor, FPE insulation, (3) TC, (4) TCCS, FPE insulation, double Beldfoil® shield (100% coverage), 26 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	25	7x33	TC/TCCS -Tinned Copper/Tinned Copper Covered Steel	0.5334

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
FPE - Foam Polyethylene	0.508	1.549

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
26	7x34	TC - Tinned Copper

Outer Shield Separator Material: Paper Tape

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.6604

Overall Cable

Overall Nominal Diameter: 3.556 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 13.394 Kg/Km

Max. Recommended Pulling Tension: 42.258 N

Min. Bend Radius/Minor Axis: 38.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

48

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

95.149

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

149.286

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

66.2762

Max. Operating Voltage - Non-UL:

Voltage

100 V RMS

Max. Recommended Current:

Current

1.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8417 060250	76 MT	1.361 KG	GRAY		1#25 PE FS PVC

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