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1-800-Belden1



General Description:

Low Noise, RG-59/U type, 22 AWG solid .025" bare copper-covered steel conductor, polyethylene insulation, conductive layer, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	Solid	BCCS - Bare Copper Covered Steel	0.635

Total Number of Conductors: 1

Insulation

Insulation Material:

Layer #	Insulation Material	Dia. (mm)
1	PE - Polyethylene	3.708
2	CPVC - Conductive PVC	3.912

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 6.147 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 53.575 Kg/Km

Max. Recommended Pulling Tension: 355.856 N

Min. Bend Radius/Minor Axis: 76.200 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
RG Type:	59/U

Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1
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Plenum/Non-Plenum

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

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.406844

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
72.182

Nominal Velocity of Propagation:

VP (%)
65

Nominal Delay:

Delay (ns/m)
5.11836

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
177.174

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
8.2025

Other Electrical Characteristic 1:	NBS Low Noise Test (Modified) MIL-C-17 Paragraph 4.8.14, 5 mV Peak to Peak Max
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Max. Noise Level (Peak to Peak):	5 mV
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Notes (Overall)

Notes: Not recommended for RF use. Nom. Voltage Breakdown Conductor to Shield: 30 kV RMS. Nom. Voltage Breakdown Jacket (Shield to Water): 30 kV RMS.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9224 010U500	152 MT	8.845 KG	BLACK		#22AWG LOW NOISE COAX
9224 0101000	305 MT	17.690 KG	BLACK		#22AWG LOW NOISE COAX

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