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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. (in.)
1	22	Solid	BCCS - Bare Copper Covered Steel	.025

Total Number of Conductors: 1

### Insulation

Insulation Material:

Layer #	Insulation Material	Dia. (in.)
1	PE - Polyethylene	0.146
2	CPVC - Conductive PVC	0.154

### 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: 0.242 in.

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 36 lbs/1000 ft.

Max. Recommended Pulling Tension: 80 lbs.

Min. Bend Radius/Minor Axis: 3 in.

## 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

MIL Order #39 (China RoHS): Yes

RG Type: 59/U

### Flame Test

UL Flame Test: UL1685 UL Loading, VW-1

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

**Impedance (Ohm)**  
75

**Nom. Inductance:**

**Inductance (µH/ft)**  
.124

**Nom. Capacitance Conductor to Shield:**

**Capacitance (pF/ft)**  
22

**Nominal Velocity of Propagation:**

**VP (%)**  
65

**Nominal Delay:**

**Delay (ns/ft)**  
1.56

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**  
54.0

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**  
2.5

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

**Max. Noise Level (Peak to Peak):** 5 mV

## 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	500 FT	19.500 LB	BLACK		#22AWG LOW NOISE COAX
9224 0101000	1,000 FT	39.000 LB	BLACK		#22AWG LOW NOISE COAX

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