

8221 Coax - 75 Ohm Coax

 For more Information  
 please call

1-800-Belden1

**Description:**

22 AWG solid bare copper-covered steel conductor, foam polyethylene insulation, bare copper braid shield (85% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	Solid	BCCS - Bare Copper Covered Steel	.025

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.146

**Outer Shield**

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

**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: 34 lbs/1000 ft.

Max. Recommended Pulling Tension: 88 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

EU CE Mark: No

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

RG Type:	59/U
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Aerial:	Yes - When supported by a messenger wire.
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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80
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**Nom. Inductance:**

Inductance (μH/ft)
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.104
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.3
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**Nominal Velocity of Propagation:**

VP (%)
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78
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**Nominal Delay:**

Delay (ns/ft)
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1.3
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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50
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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2.6
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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1	.44
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10	.90
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50	2.0
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100	2.9
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200	4.1
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400	5.9
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700	7.8
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900	8.8
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1000	9.9
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**Max. Operating Voltage - Non-UL:**

Voltage
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300 V RMS
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**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8221 010U1000	1,000 FT	36.000 LB	BLACK		RG59/U TYPE COAX
8221 010U500	500 FT	18.500 LB	BLACK		RG59/U TYPE COAX

8221 0101000	1,000 FT	37.000 LB	BLACK	C	RG59/U TYPE COAX
8221 010500	500 FT	17.000 LB	BLACK		RG59/U TYPE COAX

**Notes:**

C = CRATE REEL PUT-UP.

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