

9240 Coax - 75 Ohm Coax

For more Information
please call

1-800-Belden1

**General Description:**

20 AWG solid .032" bare copper-covered steel conductor, foam polyethylene insulation, bare copper braid shield (80% coverage), PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BCCS - Bare Copper Covered Steel	.032

Total Number of Conductors: 1

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.143

Outer Shield**Outer Shield Material:**

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	80

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.241 in.

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 28 lbs/1000 ft.

Max. Recommended Pulling Tension: 76 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

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

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

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 & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	59/U

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.3

Nominal Velocity of Propagation:

VP (%)

78

Nominal Delay:

Delay (ns/ft)

1.3

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

44.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.6

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.6
10	1.0
50	2.1
100	3.0
200	4.5
400	6.6
700	8.9
900	10.1
1000	10.9

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5	216	27
217	850	23

Notes (Overall)

Notes: Impedance tested in accordance with ASTM-D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination.
Return loss tested in accordance with ASTM-D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination. 100% sweep tested 5 MHz to 850 MHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9240 0101000	1,000 FT	31.000 LB	BLACK		59-RG TYPE COAXIAL CABLE

Revision Number: 1 Revision Date: 05-14-2007

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