

**9290 Coax - 75 Ohm Coax**



For more Information  
 please call  
 1-800-Belden1



**Description**

18 AWG solid .037" bare copper conductor, foam polyethylene insulation, double bare copper braid shields (98% coverage), PVC jacket.

**Physical Characteristics (Overall):**

**Conductor:**

AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BC - Bare Copper	0.037

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
FPE - Foam Polyethylene	0.180

**Outer Shield:**

Outer Shield Material

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
1		Braid	BC - Bare Copper	95
2		Braid	BC - Bare Copper	95

**Outer Jacket:**

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cabling:**

Overall Nominal Diameter: .288 in.

**Mechanical Characteristics (Overall):**

Operating Temperature Range -40°C To +80°C

Non-UL Temperature Rating 80°C

Bulk Cable Weight: 54 lbs/1000 ft.

Max. Recommended Pulling Tension: 108 lbs.

Min. Bend Radius (Install): 2.800 in.

**Applicable Specifications and Agency Compliance (Overall):**

**Applicable Standards:**

NEC/(UL) Specification CM

CEC/C(UL) Specification CM

EU CE Mark (Y/N) Yes

EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2004

RG Type 6/U

**Flame Test:**

UL Flame Test UL1685 UL Loading

**Suitability:**

Suitability - Indoor Yes

Suitability - Outdoor Yes

**Plenum/Non-Plenum:**

Plenum (Y/N) N

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

Impedance (Ohm)
75.000

Nom. Inductance

Inductance (µH/ft)
0.098

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
17.300

Nominal Velocity of Propagation

VP (%)
81

Nominal Delay

Delay (ns/ft)
1.300

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
7.500

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
		1.000		0.200
		10.000		0.700
		50.000		1.700
		100.000		2.500
		200.000		3.600
		400.000		5.000
		700.000		7.200
		900.000		8.300
		1000.000		8.800

Max. Operating Voltage - UL

Voltage
300 V RMS

Minimum Return Loss

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5.000	450.000	23.000

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
2.000

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
9290 0101000	1,000 FT	59.000 LB	BLACK	C	RG-6/U TYPE COAX BLK
9290 0102000	2,000 FT	118.000 LB	BLACK	C	RG-6/U TYPE COAX BLK

**Notes:**

C = CRATE REEL PUT-UP.

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