

9290 Coax - 75 Ohm Coax

 For more Information  
 please call

1-800-Belden1

**General Description:**

18 AWG solid .038" bare copper conductor, foam polyethylene insulation, double bare copper braid shields (95% coverage), PVC jacket.

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

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BC - Bare Copper	0.038

Total Number of Conductors: 1

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.180

**Outer Shield**

Outer Shield Material:

Layer #	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 Cable**

Overall Nominal Diameter: 0.288 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/Minor Axis:	3 in.

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

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
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
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	6/U
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**Flame Test**

UL Flame Test:	UL1685 UL Loading
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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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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75
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**Nom. Inductance:**

Inductance (μH/ft)
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.098
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.800
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**Nominal Velocity of Propagation:**

VP (%)
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81
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**Nominal Delay:**

Delay (ns/ft)
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1.250
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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7.5
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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2
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**Nom. Attenuation:**

Start Freq. (MHz)	Attenuation (dB/100 ft.)
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1	.2
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10	.7
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50	1.7
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100	2.5
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200	3.6
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400	5.0
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700	7.2
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900	8.3
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1000	8.8
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**Max. Operating Voltage - UL:**

Voltage
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300 V RMS
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**Minimum Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	450	23

**Put Ups and Colors:**

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

**Notes:**

C = CRATE REEL PUT-UP.

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