

For more Information
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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

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: 6/U

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9290 Coax - 75 Ohm Coax

Flame Test

UL Flame Test: UL1685 UL Loading

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

.098

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.800

Nominal Velocity of Propagation:

VP (%)

81

Nominal Delay:

Delay (ns/ft)

1.250

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2

Nom. Attenuation:

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

Max. Operating Voltage - UL:

Voltage

300 V RMS

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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