

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. (mm)
1	18	Solid	BC - Bare Copper	0.965

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	4.572

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: 7.315 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 80.363 Kg/Km

Max. Recommended Pulling Tension: 480.406 N

Min. Bend Radius/Minor Axis: 76.200 mm

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

MII Order #39 (China RoHS): Yes

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): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.321538

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

55.121

Nominal Velocity of Propagation:

VP (%)

81

Nominal Delay:

Delay (ns/m)

4.101

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

24.6075

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

6.562

Nom. Attenuation:

Start Freq. (MHz)	Attenuation (dB/100m)
1	0.6562
10	2.2967
50	5.5777
100	8.2025
200	11.8116
400	16.405
700	23.6232
900	27.2323
1000	28.8728

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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