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1-800-Belden1



## General Description:

11 AWG stranded (7x19) .108" bare copper conductor, foam polyethylene insulation, double bare copper braid shield (96% coverage) polyethylene jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	11	7x19	BC - Bare Copper	2.7432

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	7.239

### Inner Shield

#### Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	96

### Inner Jacket

#### Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PE - Polyethylene	9.398

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	96

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PE - Polyethylene	1.016

### Overall Cable

Overall Nominal Diameter: 12.192 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -55°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 193.466 Kg/Km

Max. Recommended Pulling Tension: 1450.113 N

Min. Bend Radius/Minor Axis: 127 mm

## 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:	8/U

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

50

### Nom. Inductance:

Inductance (µH/m)

0.213265

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

85.306

### Nominal Velocity of Propagation:

VP (%)

78

### Nominal Delay:

Delay (ns/m)

4.2653

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

3.9372

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

3.9372

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

6.8901

### Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1.000	0.328
10.000	1.641
50.000	3.937
100.000	5.906
200.000	8.859
400.000	13.780
700.000	19.030
900.000	21.983
1000.000	23.295

### Max. Operating Voltage - Non-UL:

Voltage

300 V RMS (Between shield)

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9888 0101000	1,000 FT	137.000 LB	BLACK	C	50 OHM TRIAX
9888 010500	500 FT	72.500 LB	BLACK	C	50 OHM TRIAX

**Notes:**

C = CRATE REEL PUT-UP.

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