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please call

1-800-Belden1



## General Description:

22 AWG stranded (7x30) .030" bare copper conductor, plenum, foam FEP insulation, bare copper braid shield (95% coverage), Flamarrest® jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	7x30	BC - Bare Copper	0.762

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (mm)
FFEP - Foam Fluorinated Ethylene Propylene	3.429

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 4.902 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 289.133 N

Min. Bend Radius/Minor Axis: 63.500 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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):	04/01/2005
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:	59/U

### Flame Test

UL Flame Test:	NFPA 262
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### Suitability

Suitability - Indoor:	Yes
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### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

75

### Nom. Inductance:

#### Inductance (µH/m)

0.29529

### Nom. Capacitance Conductor to Shield:

#### Capacitance (pF/m)

56.7613

### Nominal Velocity of Propagation:

#### VP (%)

78

### Nominal Delay:

#### Delay (ns/m)

4.2653

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/km)

49.215

### Nominal Outer Shield DC Resistance:

#### DCR @ 20°C (Ohm/km)

8.5306

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	2.9529
50	6.8901
100	9.843
200	14.7645
400	21.6546
700	29.529
900	33.1381
1000	36.091

### Max. Operating Voltage - UL:

#### Voltage

300 V RMS

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

#### Voltage

300 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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