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1-800-Belden1



## Description:

22 AWG stranded (7x30) .030" bare copper conductor, foam polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	7x30	BC - Bare Copper	.030

Total Number of Conductors: 1

### Insulation

#### Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.146

### Outer Shield

#### Outer Shield Material:

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

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

### Overall Cable

Overall Nominal Diameter: 0.242 in.

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 65 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMX

CEC/C(UL) Specification: CMX

AWM Specification: UL Style 1354 (30 V 60°C)

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): 10/01/2005

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:	VW-1
CSA Flame Test:	FT1

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

### Plenum/Non-Plenum

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

### Nom. Characteristic Impedance:

Impedance (Ohm)

75

### Nom. Inductance:

Inductance (µH/ft)

.09

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

17.3

### Nominal Velocity of Propagation:

VP (%)

78

### Nominal Delay:

Delay (ns/ft)

1.3

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.6

### Nom. Attenuation:

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

1	.3
10	.9
50	2.1
100	3.0
200	4.5
400	6.6
700	8.9
900	10.1
1000	10.9

### Max. Operating Voltage - UL:

Voltage

150 V RMS

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

Voltage

300 V RMS

**Minimum Return Loss:**

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

**Notes (Overall)**

**Notes:** For CCTV Applications.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9659 010U500	500 FT	19.000 LB	BLACK		RG59/U TYPE COAX
9659 0101000	1,000 FT	38.000 LB	BLACK		RG59/U TYPE COAX

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