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1-800-Belden1



## General 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/(UL) Specification:	CMX
AWM Specification:	UL Style 1354 (30 V 60°C)
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):	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
MIL 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

**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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