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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. (mm)
1	22	7x30	BC - Bare Copper	0.762

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	3.7084

### Outer Shield

Outer Shield Material:

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

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 6.121 mm

## Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 49.111 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: CM

CEC/C(UL) Specification: CM

AWM Specification: UL Style 1354 (30 V 80°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):	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:	59/U

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89259 or 82259

## 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
5	2.13265
10	2.9529
50	6.8901
100	9.843
200	14.7645
400	21.6546
700	29.2009
900	33.1381
1000	35.7629

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

## Notes (Overall)

**Notes:** For CCTV Applications.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9259 010U1000	305 MT	15.876 KG	BLACK		#22 PE RG 59/U TYPE
9259 010U500	152 MT	8.165 KG	BLACK		#22 PE RG 59/U TYPE
9259 010100	30 MT	1.860 KG	BLACK		#22 PE RG 59/U TYPE
9259 0101000	305 MT	16.783 KG	BLACK	C	#22 PE RG 59/U TYPE
9259 010500	152 MT	8.391 KG	BLACK	C	#22 PE RG 59/U TYPE
9259 0105000	1,524 MT	81.647 KG	BLACK	C	#22 PE RG 59/U TYPE

**Notes:**

C = CRATE REEL PUT-UP.

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