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

#### 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 Cabling

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 (Install)/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 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.

**Related Documents:**

No related documents are available for this product

**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	7.484 KG	BLACK	C	#22 PE RG 59/U TYPE

**Notes:**

C = CRATE REEL PUT-UP.

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