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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	0.030

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
FPE - Foam Polyethylene	0.146

**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: .241 in.

**Mechanical Characteristics (Overall):**

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

Non-UL Temperature Rating 80°C

Bulk Cable Weight: 33 lbs/1000 ft.

Max. Recommended Pulling Tension: 65 lbs.

Min. Bend Radius (Install): 2.500 in.

**Applicable Specifications and Agency Compliance (Overall):**

**Applicable Standards:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 1354 (30 V 80°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004
RG Type	59/U

**Flame Test:**

UL Flame Test UL1685 UL Loading

**Suitability:**

Suitability - Indoor Yes

Suitability - Outdoor Yes

**Plenum/Non-Plenum:**

Plenum (Y/N) N

Plenum Number 89259 or 82259

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

Impedance (Ohm)
75.000

Nom. Inductance

Inductance (µH/ft)
0.090

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
17.300

Nominal Velocity of Propagation

VP (%)
78

Nominal Delay

Delay (ns/ft)
1.300

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
15.000

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.300
	5.000			0.650
	10.000			0.900
	50.000			2.100
	100.000			3.000
	200.000			4.500
	400.000			6.600
	700.000			8.900
	900.000			10.100
	1000.000			10.900

Max. Operating Voltage - UL

Voltage
300 V RMS

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
2.600

**Notes (Overall):**

Notes For CCTV Applications.

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
9259 010100	100 FT	4.100 LB	BLACK		#22 PE RG 59/U TYPE BLK
9259 0101000	1,000 FT	37.000 LB	BLACK	C	#22 PE RG 59/U TYPE BLK

9259 010500	500 FT	16.500 LB	BLACK	C	#22 PE RG 59/U TYPE BLK
9259 010U1000	1,000 FT	35.000 LB	BLACK		#22 PE RG 59/U TYPE BLK
9259 010U500	500 FT	18.000 LB	BLACK		#22 PE RG 59/U TYPE BLK

**Notes:**

C = CRATE REEL PUT-UP.

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