

For more Information
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1-800-Belden1



General Description:

Surveillance & CCTV Cable, RG59, Rated-CM, 22 AWG stranded bare copper, foamed polyolefin core, 93% bare copper braid, PVC jacket

Usage (Overall)

Suitable Applications: Analog Video/CCTV Coax.

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)
Gas-injected FPE - Foam Polyethylene	3.556

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	93

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 5.893 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 41.670 Kg/Km

Max. Recommended Pulling Tension: 217.962 N

Min. Bend Radius/Minor Axis: 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

NEC Articles: 800

CEC/C(UL) Specification: CM

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
Series Type:	Series 59

Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) 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/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
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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
551945 0101000	1,000 FT	30.000 LB	BLACK		RG-59/U COAX

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