



Product: [551945](#)

Surveillance CCTV, RG-59 #22 BC, 93% BC Braid, CM

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Surveillance, CCTV Camera
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
22	7x30	BC - Bare Copper	0.03 in	1

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.14 in

Insulation Table Notes:	Gas Injected
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Outer Shield

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	93%

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.232 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
15 Ohm/1000ft	15 Ohm/1000ft	2.6 Ohm/1000ft	2.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
17.3 pF/ft

Inductance

Nominal Inductance
0.09 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
10 MHz	0.9 dB/100ft
50 MHz	2.1 dB/100ft
100 MHz	3 dB/100ft
200 MHz	4.5 dB/100ft
400 MHz	6.6 dB/100ft
700 MHz	8.9 dB/100ft
900 MHz	10.1 dB/100ft
1000 MHz	10.9 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
78 ns/100m	1.3 ns/ft	78%

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Maximum Recommended Pulling Tension:	49 lbs
Minimum Minor Axis Bend Radius:	2.5 in

Dimensions (WxHxD)

Width	Depth
0.76	0.79

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM
RG Type:	59
Series Type:	59

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

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Variants

Item #	Color	Put-Up Type	Length	UPC
551945 0101000	Black	Reel	1,000 ft	612825163992

History

Update and Revision:	Revision Number: 0.397 Revision Date: 03-27-2024
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