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

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

Table Notes:	Gas Injected

Outer Shield Material

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

Outer Jacket Material

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 Temp Rating:	75°C
Operating Temp Range:	-40°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max. Pull Tension:	49 lbs
Min Bend Radius/Minor Axis:	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/U Type
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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT1
UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
551945 0101000	Black	Reel	1,000 ft	612825163992

History

Update and Revision:	Revision Number: 0.341 Revision Date: 09-30-2020