



**Part Number: 543945**

Surveillance CCTV, RG-59 #20 BC, 90% BC Braid, CMG

## Product Description

Surveillance & CCTV Cable, RG59, Rated-CMG, 20 AWG solid bare copper, foam polyolefin core, 90% bare copper braid, PVC jacket

## Technical Specifications

### Product Overview

Suitable Applications:	Analog Video/CCTV Coax.
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	Solid	BC - Bare Copper	0.032 in	1

#### Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.145 in

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	93 %

#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.232 in

Weight:	0.675 lbs
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### Construction and Dimensions

OuterJacket1, Nominal Width:	0.7 mm
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### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
10 Ohm/1000ft	10 Ohm/1000ft	3.3 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

#### Inductance

Nominal Inductance
0.097 $\mu$ H/ft

#### Impedance

Nominal Characteristic Impedance
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75 Ohm
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High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
5 MHz	0.65 dB/100ft
10 MHz	0.9 dB/100ft
50 MHz	1.9 dB/100ft
100 MHz	2.6 dB/100ft
200 MHz	3.6 dB/100ft
400 MHz	5 dB/100ft
700 MHz	7 dB/100ft
900 MHz	8 dB/100ft
1000 MHz	8.5 dB/100ft
5 MHz	
50 MHz	

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
83 ns/100m	1.23 ns/ft	83 %

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
1 MHz	0.75 dB/100ft
5 MHz	2.15 dB/100ft
10 MHz	
50 MHz	
100 MHz	
200 MHz	
400 MHz	
700 MHz	
900 MHz	
1000 MHz	

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	29 lbs/1000ft
Max Recommended Pulling Tension:	57 lbs
Min Bend Radius/Minor Axis:	2.5 in

Dimensions (WxHxD)

Width	Height
0.69	0.63

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca
RG Type:	RG-59/U Type
Series Type:	Series 59

Applicable Environmental and Other Programs

EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - Black only
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color
543945 0101000	BLACK
543945 010500	BLACK
543945 010U1000	BLACK
543945 010U500	BLACK
543945 0091000	WHITE
543945 009500	WHITE
543945 009U1000	WHITE
543945 009U500	WHITE

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