



**Product:** [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:	Surveillance, CCTV Camera
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#### Construction Details

RG Type:	59
Series Type:	59

#### Conductor

Number of Element	Size	Stranding	Nom. Diameter	Material
1	20 AWG	Solid	0.032 in	BC - Bare Copper

#### Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	0.145 in (3.68 mm)	White

Table Notes:	Gas Injected
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#### Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	90%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.232 in (5.89 mm)

Overall Cable Diameter (Nominal):	0.232 in (5.89 mm)
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#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation	Max. Attenuation
1 MHz	0.3 dB/100ft	0.75 dB/100ft
5 MHz	0.65 dB/100ft	2.15 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	

##### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Delay Skew
10 Ohm/1000ft (33 Ohm/km)	3.3 Ohm/1000ft (11 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%	83 ns/100m

#### Voltage

UL Voltage Rating
300 V RMS

## Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	-30°C To +75°C

#### Bend Radius

Stationary Min.	Installation Min.
2.5 in (64 mm)	2.5 in (64 mm)

Max. Pull Tension:	57 lbs (26 kg)
Bulk Cable Weight:	29 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor, Aerial - Black only, When supported by messenger wire
Flammability / Reaction to Fire:	UL1685 FT4 loading , FT4, IEEE 1202 Vertical Tray Flame Test, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	643948

## History

Update and Revision:	Revision Number: 0.535 Revision Date: 05-16-2023
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## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC
543945 010500	Black	Reel	500 ft	612825162476
543945 010U500	Black	UnReel	500 ft	612825162469
543945 0101000	Black	Reel	1,000 ft	612825337089
543945 010U1000	Black	UnReel	1,000 ft	612825162452
543945 009500	White	Reel	500 ft	612825162445
543945 009U500	White	UnReel	500 ft	612825162421
543945 0091000	White	Reel	1,000 ft	612825162438
543945 009U1000	White	UnReel	1,000 ft	612825162414

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