



**Product:** [643948](#)

Surveillance CCTV, RG-59 #20 Sol BC, FFEP Core, BC Braid, Flamarrest® Jkt CMP

**Product Description**

Surveillance, CCTV, RG-59, 20 AWG solid bare copper, foam FEP core, 95% bare copper braid, Low Smoke PVC jacket, CMP

**Technical Specifications**

**Product Overview**

Suitable Applications:	Surveillance, CCTV Camera
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**Construction Details**

RG Type:	59
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**Conductor**

AWG	Stranding	Nom. Diameter	Material
20	Solid	0.032 in	BC - Bare Copper

**Insulation**

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.133 in

**Outer Shield Material**

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	95%

**Outer Jacket Material**

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.192 in

**Electrical Characteristics**

**Attenuation**

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.29 dB/100ft
3 MHz	0.58 dB/100ft
5 MHz	0.70 dB/100ft
8 MHz	0.87 dB/100ft
10 MHz	1.05 dB/100ft
50 MHz	1.80 dB/100ft
100 MHz	2.70 dB/100ft
200 MHz	3.90 dB/100ft
400 MHz	5.90 dB/100ft
700 MHz	8.50 dB/100ft
900 MHz	10.00 dB/100ft
1000 MHz	10.70 dB/100ft

**Electricals**

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance	Nom. Velocity
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10.0 Ohm/1000ft	2.5 Ohm/1000ft	16.1 pF/ft	75 Ohm	84%
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#### Voltage

<b>UL Voltage Rating</b>
300 V (CMP)

## Mechanical Characteristics

#### Temperature

<b>UL Rating</b>	<b>Operating</b>
75°C	0°C to +75°C

#### Bend Radius

<b>Installation Min.</b>
1.75 in

Bulk Cable Weight:	26 lbs/1000ft
Max. Pull Tension:	42 lbs

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Fire Resistance:	NFPA 262, FT6
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.370 Revision Date: 10-19-2020
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