


Product: [5439X5](#)

Surveillance CCTV, RG-59 #20 BC, 95% BC Braid, CM, Water-Blocked

Product Description

Surveillance & CCTV Cable, RG59, Rated-CM, 20 AWG solid bare copper, foam polyolefin core, 95% bare copper braid, water resistant tape, PVC jacket

Technical Specifications
Product Overview

Suitable Applications:	CATV, MATV, Wet Location, Below-Grade Duct
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Construction Details

RG Type:	59
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Conductor

Element	No. of Elements	Size	Stranding	Nom. Diameter	Material
Coax(es)	1	20 AWG	Solid	0.032 in	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Coax(es)	PE - Polyethylene (Foam)	0.145 in (3.68 mm)

Insulation Table Notes:	Gas Injected
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Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Braid	Bare Copper (BC)	95%
2			

Waterblocking:	Waterblock Tape
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Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.245 in (6.22 mm)

Outer Jacket1 Table Notes:	Water resistant tape (over braid, under jacket)
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Electrical Characteristics
Attenuation

Frequency	Nom. Attenuation
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

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
11.3 Ohm/1000ft	3.5 Ohm/1000ft (11 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
2.45 in (62.2 mm)	2.45 in (62.2 mm)

Max. Pull Tension: 51 lbs (23 kg)

Bulk Cable Weight: 29 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Aerial - Black only, When supported by messenger wire
Flammability / Reaction to Fire:	UL1685 UL Loading, FT1, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), 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)

Product Notes

Notes: Print legend includes sequential footage marks.

History

Update and Revision: Revision Number: 0.380 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
5439X5 0101000	Black	Reel	1,000 ft	612825162391	C

Footnote: C - CRATE REEL PUT-UP.

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