

Part Number: 533945

Surveillance CCTV, RG-6 #18 BC, 95% BC Braid, CMG

Product Description

Surveillance & CCTV Cable, RG6, Rated-CMG, 18 AWG solid bare copper, foam polyolefin core, 95% bare copper braid, PVC jacket

Technical Specifications

Product Overview

Environmental Space:	Indoor/Outdoor
Suitable Applications:	Analog Video, CCTV, Coax

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	1

Conductor Size:	18 AWG

Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.18 in

Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.266 in

Weight:	0.5 lbs

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	2.7 Ohm/1000ft	2.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Inductance

Nominal Inductance
0.097 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.24 dB/100ft
10 MHz	0.72 dB/100ft
50 MHz	1.5 dB/100ft
100 MHz	2 dB/100ft
200 MHz	2.9 dB/100ft
400 MHz	4.2 dB/100ft
700 MHz	5.6 dB/100ft
900 MHz	6.4 dB/100ft
1000 MHz	7 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
83 ns/100m	1.21 ns/ft	83 %

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:	36 lbs/1000ft
Max Recommended Pulling Tension:	69 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca
PMSHA Specification:	P-07-KA110035-MSHA
RG Type:	6/U Type
Series Type:	Series 6

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
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, when supported by messenger wire
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL 1581 VERICAL TRAY

UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
533945 0101000	Black	C
533945 010500	Black	C
533945 010U1000	Black	
533945 0091000	White	C
533945 009U1000	White	

Footnote:	C - CRATE REEL PUT-UP.

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