



**Product:** [633948](#)

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

## Product Description

Surveillance & CCTV Cable, RG6, Plenum-CMP, 18 AWG solid bare copper, foam FEP core, 95% bare copper braid, Flamarrest® jacket

## Technical Specifications

### Product Overview

Suitable Applications:	Surveillance, CCTV Camera
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.17 in

#### Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	Bare Copper (BC)	95%

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.228 in

### Construction and Dimensions

OuterJacket1, Nominal Width:	1 mm
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### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	2.2 Ohm/1000ft	2.2 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
3 MHz	0.45 dB/100ft
5 MHz	0.55 dB/100ft
8 MHz	0.7 dB/100ft
10 MHz	0.85 dB/100ft
50 MHz	1.5 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	3.1 dB/100ft
400 MHz	4.7 dB/100ft
700 MHz	6.8 dB/100ft
900 MHz	8 dB/100ft
1000 MHz	8.5 dB/100ft

### Delay

Max. Delay Skew	Nominal Delay
83 ns/100m	1.24 ns/ft

### Voltage

UL Voltage Rating
300 V RMS

### Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

### Mechanical Characteristics

Bulk Cable Weight:	38 lbs/1000ft
Max. Pull Tension:	84 lbs
Min Bend Radius/Minor Axis:	2.25 in

### Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	6/U Type
Series Type:	6

### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	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:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Indoor:	Yes
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### Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
UL voltage rating:	300 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

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### Variants

Item #	Color	Putup Type	Length	UPC
633948 010U1000	Black	UnReel	1,000 ft	612825176176
633948 008U1000	Gray	UnReel	1,000 ft	612825176152
633948 877500	Natural	Reel	500 ft	612825176237
633948 877U500	Natural	UnReel	500 ft	612825176213
633948 8771000	Natural	Reel	1,000 ft	612825176220
633948 877U1000	Natural	UnReel	1,000 ft	612825176206
633948 0071000	Violet	Reel	1,000 ft	612825176145
633948 009U1000	White	UnReel	1,000 ft	612825176169

Footnote:	C - CRATE REEL PUT-UP.
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## History

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Update and Revision:	Revision Number: 0.319 Revision Date: 08-25-2020
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