

**Part Number: 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, Flammarrest® jacket

## Technical Specifications

### Product Overview

Suitable Applications:	CCTV
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### Physical Characteristics (Overall)

#### Conductor

AWG	Material	Nominal Diameter	No. of Conductors	No. of Pairs	No. of Coax
18	BC - Bare Copper	0.04 in	1	1	1
Conductor Count:			1		
AWG Size:			18		

#### Insulation

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.17 in

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flammarrest®	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	Nominal Velocity of Propagation (VP) [%]
83 ns/100m	1.24 ns/ft	83 %

### 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 Recommended Pulling Tension:	84 lbs
Min Bend Radius/Minor Axis:	2.25 in

### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
RG Type:	RG-6/U Type
Series Type:	Series 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Suitability

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

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262 Plenum Flame Test (UL910)

### Part Number

Plenum (Y/N): Yes

**Variants**

Item #	Color	Footnote
633948 010U1000	BLACK	
633948 008U1000	GRAY	
633948 8771000	Natural	C
633948 877500	Natural	C
633948 877U1000	Natural	
633948 877U500	Natural	
633948 0071000	Violet	C
633948 009U1000	WHITE	

Footnote: C - CRATE REEL PUT-UP.

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