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

Construction Details

RG Type:	6
Series Type:	6

Conductor

Element	No. of Elements	Size	Stranding	Nom. Diameter	Material
Coax(es)	1	18 AWG	Solid	0.040 in	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Coax(es)	FEP - Fluorinated Ethylene Propylene (Foam)	0.171 in (4.34 mm)	White

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.231 in (5.87 mm)

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
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

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Delay Skew
6.4 Ohm/1000ft	2.2 Ohm/1000ft (7.2 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%	83 ns/100m

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.3 in (58 mm)	2.3 in (58 mm)

Max. Pull Tension:	84 lbs (38 kg)
Bulk Cable Weight:	38 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	PF_633948 (1)RG Type :-In Stibo series is 6 but it is not available in BPCS. (2)# Elements@Conductor1:-In Stibo it was Blank and now changed it to 1. (3)Size@Conductor1 :-In Stibo it was 18 now changed to 18 AWG (4)Color@Color Chart1 01 :- In stibo it was Blank now Changed to White (5)Material@OuterShield1 1 - In stibo it is Tri-Laminate (Alum+Poly+Alum) But in BPCS (Heat fusible+ Alum+ Poly+Alum) (6)Coverage@OuterShield1 2 - in stibo it was 95% Now changed to 94% (7)Cable diameter- it was blank now changed to 0.228 in

History

Update and Revision:	Revision Number: 0.625 Revision Date: 03-11-2025

Part Numbers

Variants

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

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