Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



633948 Coax - CCTV Applications

For more Information please call

1-800-Belden1



General Description:

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

Usage (Overall)

Suitable Applications: CCTV

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FFEP - Foam Fluorinated Ethylene Propylene	4.318

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name		Outer Jacket Material		
	Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride		

Overall Cable

Overall Nominal Diameter: 5.791 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C	
UL Temperature Rating:	75°C	
Bulk Cable Weight:	56.552 Kg/Km	
Max. Recommended Pulling Tension:	373.649 N	
Min. Bend Radius/Minor Axis:	57.150 mm	

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

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EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	6/U
Series Type:	Series 6
Flame Test	
UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6
Plenum/Non-Plenum	
Plenum (Y/N):	Yes

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



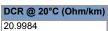
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 7.2182

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.78744
3	1.47645
5	1.80455
8	2.2967
10	2.78885
50	4.9215
100	6.8901
200	10.1711
400	15.4207
700	22.3108
900	26.248

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1000 27.8885

Max. Operating Voltage - UL:

Voltage 300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
633948 0071000	305 MT	19.051 KG	VIOLET	С	#18 FFEP SH PVC
633948 008U1000	305 MT	16.329 KG	GRAY		#18 FFEP SH PVC
633948 009U1000	305 MT	16.329 KG	WHITE		#18 FFEP SH PVC
633948 010U1000	305 MT	16.329 KG	BLACK		#18 FFEP SH PVC
633948 877U1000	305 MT	16.329 KG	NATURAL		#18 FFEP SH PVC
633948 877U500	152 MT	8.391 KG	NATURAL		#18 FFEP SH PVC
633948 8771000	305 MT	19.051 KG	NATURAL	С	#18 FFEP SH PVC
633948 877500	152 MT	9.299 KG	NATURAL	С	#18 FFEP SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-11-2013

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