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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

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

UL Flame Test:	NFPA 262
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C(UL) Flame Test:	FT6
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Surface Printing (Overall)**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.4803

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/m)
4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
20.9984

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

1000	27.8885
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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	C	#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	C	#18 FFEP SH PVC
633948 877500	152 MT	9.299 KG	NATURAL	C	#18 FFEP SH PVC

Notes:

C = CRATE REEL PUT-UP.

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