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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. (in.)
1	18	Solid	BC - Bare Copper	.040

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

#### 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: 0.228 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	38 lbs/1000 ft.
Max. Recommended Pulling Tension:	84 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.

### 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
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

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

633948 Coax - CCTV Applications

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:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (μH/ft)

.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.3

Nominal Velocity of Propagation:

VP (%)

83

Nominal Delay:

Delay (ns/ft)

1.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.2

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.24
3	0.45
5	0.55
8	0.70
10	0.85
50	1.50
100	2.1
200	3.1
400	4.7
700	6.8
900	8.0
1000	8.5

Max. Operating Voltage - UL:

Voltage

300 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
633948 0071000	1,000 FT	42.000 LB	VIOLET	C	#18 FFEP SH PVC
633948 008U1000	1,000 FT	36.000 LB	GRAY		#18 FFEP SH PVC
633948 009U1000	1,000 FT	36.000 LB	WHITE		#18 FFEP SH PVC
633948 010U1000	1,000 FT	36.000 LB	BLACK		#18 FFEP SH PVC
633948 877U1000	1,000 FT	36.000 LB	NATURAL		#18 FFEP SH PVC
633948 877U500	500 FT	18.500 LB	NATURAL		#18 FFEP SH PVC
633948 8771000	1,000 FT	42.000 LB	NATURAL	C	#18 FFEP SH PVC
633948 877500	500 FT	20.500 LB	NATURAL	C	#18 FFEP SH PVC

Notes:

C = CRATE REEL PUT-UP.

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## Belden Wire & Cable:

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