

633948 Coax - CCTV Applications

For more Information
please call

1-800-Belden1

**Description:**

18 AWG bare copper conductor, foam FEP insulation, bare copper braid shield, Flammarrest® jacket, sequential footage marking every two feet.

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
Flammarrest®	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 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
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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/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.)
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1	0.24
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3	0.45
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5	0.55
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8	0.70
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10	0.85
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50	1.50
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100	2.1
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200	3.1
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400	4.7
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700	6.8
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900	8.0
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1000	8.5
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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	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.

Revision Number: 1 Revision Date: 02-24-2009

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