



## 639948 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control Applications

For more Information  
please call

1-800-Belden1



### General Description:

PTZ (CCTV+Power/Audio) Cable, Plenum-CMP, 1-RG6 18 AWG solid bare copper with foam FEP, 95% bare copper braid, 1-18 AWG stranded bare copper pair with Flamarrest® insulation, Siamese with Flamarrest® jacket

### Usage (Overall)

Suitable Applications: CCTV plus Audio, Pan and Tilt CCTV Control

### Coax

#### Physical Characteristics

##### Conductor

AWG:

#	Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid		BC - Bare Copper	0.040

##### Insulation

##### Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	0.170

##### Inner Shield

##### Inner Shield Material:

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

### Applicable Specifications and Agency Compliance

#### Applicable Standards & Environmental Programs

EU CE Mark:

Yes

RG Type:

6/U

### Electrical Characteristics

#### Nom. Characteristic Impedance:

Impedance (Ohm)
75

#### Nom. Inductance:

Inductance ( $\mu$ H/ft)
0.097

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.100

#### Nominal Velocity of Propagation:

VP (%)
84.000

#### Nominal Delay:

Delay (ns/ft)
1.210

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.400

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.200

Max. Operating Voltage - UL:

300 V RMS

# Detailed Specifications & Technical Data



## ENGLISH MEASUREMENT VERSION

### 639948 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control Applications

#### Twisted Pair

##### Physical Characteristics

###### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	7	BC - Bare Copper	0.047

###### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PVC	0.062

Twisted Pair Color Code Chart:

Number	Color
1	Black and Red

###### Inner Shield

Inner Shield Material:

Inner Shield Material
Unshielded

###### Individual Shield

##### Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
24.000

#### Physical Characteristics (Overall)

###### Conductor

###### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

###### Outer Jacket

Outer Jacket Material:

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

###### Overall Cable

Overall Nominal Diameter:

0.232 in.

#### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 60.000 lbs/1000 ft.

Max. Recommended Pulling Tension: 129.000 lbs.

Min. Bend Radius/Minor Axis: 2.500 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 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

##### Flame Test

UL Flame Test: NFPA 262

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## ENGLISH MEASUREMENT VERSION

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C(UL) Flame Test:

FT6

#### Suitability

Suitability - Indoor:

Yes

#### Plenum/Non-Plenum

Plenum (Y/N):

Yes

Non-Plenum Number:

539945

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
639948 8771000	1,000 FT	59.000 LB	NATURAL		#18 FFEPSH +1 PR#18 FEPPVCSIAM
639948 877500	500 FT	31.000 LB	NATURAL		#18 FFEPSH +1 PR#18 FEPPVCSIAM

Revision Number: 1 Revision Date: 03-13-2013

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