

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

For more Information  
please call

1-800-Belden1



### Description:

18 AWG bare copper conductor, foam polyolefin insulation, bare copper braid shield, PVC 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 (µH/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

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Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.200

Max. Operating Voltage - UL: 300 V RMS

### 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 (Install)/Minor Axis: 2.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

NEC Articles: 800

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

<b>CEC/C(UL) Specification:</b>	CMP
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

### Flame Test

<b>UL Flame Test:</b>	NFPA 262
<b>C(UL) Flame Test:</b>	FT6

### Suitability

<b>Suitability - Indoor:</b>	Yes
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### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	Yes
<b>Non-Plenum Number:</b>	539945

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

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

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