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1-800-Belden1



### General Description:

PTZ (CCTV+Power) Cable, Rated-CM, 1-RG6 18 AWG solid bare copper with foam polyolefin, 95% bare copper braid, water resistant tape, 2-16 AWG stranded bare copper conductors with PVC insulation and water resistant tape , Overall PVC jacket

### Coax

#### Physical Characteristics

##### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

##### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	4.572

##### Separator

Outer Jacket Separator Material: Water resistant tape (over braid, under jacket)

##### Inner Shield

Inner Shield Material:

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

##### Overall Diameter

Overall Nominal Diameter: 7.087 mm

#### 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/m)
0.318

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.480

Nominal Velocity of Propagation:

VP (%)
83.000

Nominal Delay:

Delay (ns/m)
4.003

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
20.998

**Nom. Inner Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
10.171

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.656
5.000	1.476
10.000	2.100
50.000	4.790
100.000	6.890
200.000	9.843
400.000	14.108
700.000	19.030
900.000	21.983
1000.000	23.295

**Max. Operating Voltage - UL:** 350 V RMS

### Twisted Pair

#### Physical Characteristics

##### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	16	19	BC - Bare Copper	1.448

##### Insulation

**Insulation Material:**

Insulation Material	Dia. (mm)
PVC - Polyvinyl Chloride	1.956

**Twisted Pair Color Code Chart:**

Number	Color
1	Black and Red

##### Separator

**Separator Material:** Water resistant tape (over pair, under jacket)

##### Overall Diameter

**Overall Nominal Diameter:** 5.969 mm

#### Electrical Characteristics

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)
78.744

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
13.124

### Physical Characteristics (Overall)

#### Conductor

##### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

##### Outer Jacket

**Outer Jacket Material:**

## 5399X5 Composite - Surveillance and CCTV Applications

**Outer Jacket Material**

PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 7.087,13.945 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 101.198 Kg/Km

Max. Recommended Pulling Tension: 507.095 N

Min. Bend Radius/Minor Axis: 69.850 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

NEC Articles: 800

CEC/C(UL) Specification: CM

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): 04/24/2006

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

Other Specification: NEC Article 800

#### Flame Test

UL Flame Test: UL1685 UL Loading

C(UL) Flame Test: FT1

#### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Sunlight Resistance: Yes

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Max. Operating Voltage - UL:

**Voltage**

300 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5399X5 0101000	1,000 FT	77.000 LB	BLACK		RG6 + 2C16 WB CM SIAM

## 5399X5 Composite - Surveillance and CCTV Applications

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