

## 579945 Composite - CCTV Plus Audio or Powr or Pan and Tilt CCTV Control Applications



For more Information  
please call

1-800-Belden1



### General Description:

PTZ (CCTV+Power/Audio) Cable, Rated-CMG, 1-RG59 25 AWG solid bare copper with foam polyolefin, 95% bare copper braid, 1-20 AWG stranded bare copper pair with PVC insulation, Siamese with PVC jacket

### Coax

#### Physical Characteristics

##### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	25	Solid	BC - Bare Copper	0.018

##### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	0.085

##### Inner Shield

Inner Shield Material:

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

#### Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
0.109

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.900

Nominal Velocity of Propagation:

VP (%)
80.000

Nominal Delay:

Delay (ns/ft)
1.270

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
31.000

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.600

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.450
5.000	0.900
10.000	1.300
50.000	3.000
100.000	4.100
200.000	6.000
400.000	8.600
700.000	11.600
900.000	13.500
1000.000	14.500

## 579945 Composite - CCTV Plus Audio or Powr or Pan and Tilt CCTV Control Applications

### Twisted Pair

#### Physical Characteristics

##### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	7x28	BC - Bare Copper	0.038

##### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PVC - Polyvinyl Chloride	0.056

Twisted Pair Color Code Chart:

Number	Color
1	Black and Red

##### Inner Shield

Inner Shield Material:

Inner Shield Material
Unshielded

#### Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
26.000

### Physical Characteristics (Overall)

#### Conductor

##### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

##### Overall Cable

Overall Nominal Diameter: 0.151 in.

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 27.000 lbs/1000 ft.

Max. Recommended Pulling Tension: 40.000 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

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): 04/01/2005

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: UL1685 UL Loading

#### Suitability

Suitability - Indoor: Yes

#### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 679948

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### Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
579945 0091000	1,000 FT	29.000 LB	WHITE		1 #20 PR,1#25 COAX PVC PARA
579945 009500	500 FT	15.000 LB	WHITE		1 #20 PR,1#25 COAX PVC PARA
579945 0101000	1,000 FT	29.000 LB	BLACK	C	1 #20 PR,1#25 COAX PVC PARA

**Notes:**

C = CRATE REEL PUT-UP.

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