

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. (mm)
1	25	Solid	BC - Bare Copper	0.457

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	2.159

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/m)
0.358

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
55.449

Nominal Velocity of Propagation:

VP (%)
80.000

Nominal Delay:

Delay (ns/m)
4.167

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
101.711

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
18.374

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.476
5.000	2.953

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10.000	4.265
50.000	9.843
100.000	13.452
200.000	19.686
400.000	28.217
700.000	38.060
900.000	44.294
1000.000	47.575

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	7x28	BC - Bare Copper	0.960

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PVC - Polyvinyl Chloride	1.422

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/m)
85.306

Physical Characteristics (Overall)

Conductor

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 3.835,8.433 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 40.181 Kg/Km

Max. Recommended Pulling Tension: 177.928 N

Min. Bend Radius/Minor Axis: 63.500 mm

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

METRIC MEASUREMENT VERSION

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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

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
579945 0091000	305 MT	13.154 KG	WHITE		1 #20 PR,1#25 COAX PVC PARA
579945 009500	152 MT	6.804 KG	WHITE		1 #20 PR,1#25 COAX PVC PARA
579945 0101000	305 MT	13.154 KG	BLACK	C	1 #20 PR,1#25 COAX PVC PARA

Notes:

C = CRATE REEL PUT-UP.

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