

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

For more Information
please call

1-800-Belden1



Description:

25 AWG bare copper conductor, foam polyolefin insulation, bare copper braid shield, 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

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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

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 (Install)/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 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

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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

Related Documents:

No related documents are available for this product

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.

Revision Number: 0 Revision Date: 01-21-2008

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