Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



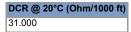
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nom. Inner Shield DC Resistance:



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

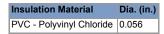
Conductor

AWG:

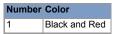
# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	7x28	BC - Bare Copper	0.038

Insulation

Insulation Material:



Twisted Pair Color Code Chart:



Inner Shield

Inner Shield Material:



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	С	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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