Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



549945 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control Applications



For more Information please call

1-800-Belden1





Description

20 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	20	Solid	BC - bare Copper	0.032

Insulation:

Insulation Material

Ins Material	
Gas-injected FHDPE - Foam High Density Polyethylene	0.145

Inner Shield:

Inner Shield Material

Type Inr		Inner Shield Material	% Coverage (%)
	Braid	BC - Bare Copper	90.000

Overall Diameter:

Overall Nominal Diameter: in.

Applicable Specifications and Agency Compliance:

Applicable Standards:

 EU CE Mark (Y/N)
 Yes

 RG Type
 59/U

Electrical Characteristics:

Nom. Characteristic Impedance

Impedance (Ohm) 75.000

Nom. Inductance

Inductance (µH/ft) 0.097

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft) 16.300

Nominal Velocity of Propagation

VP (%) 83.000

Nominal Delay

Delay (ns/ft) 1.220

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft) 10.000

Nom. Inner Shield DC Resistance

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350 V RMS



Nom. Attenuation

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.300
5.000	0.650
10.000	0.900
50.000	1.900
100.000	2.600
200.000	3.600
400.000	5.000
700.000	7.000
900.000	8.000
1000.000	8.500

Max. Operating Voltage - UL

Twisted Pair:

Physical Characteristics:

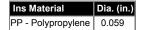
Conductor:

AWG

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1.000	18	7x26	BC - Bare Copper	0.046

Insulation:

Insulation Material



Twisted Pair Color Code Chart



Individual Shield: Overall Diameter:

Overall Nominal Diameter:

Electrical Characteristics:

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft) 22.500

Suitable Applications (Overall):

Suitable Applications CCTV plus Audio, Pan and Tilt CCTV Control

in.

Physical Characteristics (Overall):

Conductor: Outer Shield:

Outer Shield Material

Outer Shield Material
Unshielded

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling:

Overall Nominal Diameter: 0.232 x 0.450 in.

Mechanical Characteristics (Overall):

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

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UL Temperature Rating	75°C
Bulk Cable Weight:	54 lbs/1000 ft.
Max. Recommended Pulling Tension:	102 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Specifications and Agency Compliance (Overall):				
Applicable Standards: NEC/(UL) Specification	СМ			
NEC Articles	800			
CEC/C(UL) Specification	CM			
EU RoHS Compliant (Y/N)	Yes			
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2005			
Flame Test: UL Flame Test	UL1685 UL Loading			
C(UL) Flame Test	FT1			
Suitability: Suitability - Indoor	Yes			
Suitability - Outdoor	Yes			
Suitability - Aerial	Yes			
Plenum/Non-Plenum: Plenum (Y/N)	No			
Plenum Number	649948			

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
549945 0091000	1,000 FT	56.000 LB	WHITE	С	1 #18 PR, 1 RG-59/U COAX WHT
549945 009500	500 FT	28.000 LB	WHITE	С	1#18,1RG-59/U COAX WHT
549945 0101000	1,000 FT	56.000 LB	BLACK	С	1#18,1RG-59/U COAX BLK
549945 010500	500 FT	28.000 LB	BLACK	С	1#18,1RG-59/U COAX BLK

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 03-12-2008

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