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.

Usage (Overall)

Suitable Applications:

CCTV plus Audio, Pan and Tilt CCTV Control

Coax

Physical Characteristics

Conductor

AWG:

1	# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
	1	20	Solid	BC - bare Copper	0.032

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	0.145

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	% Coverage (%)	
Braid	BC - Bare Copper	95.000	

Applicable Specifications and Agency Compliance

Applicable Standards & Environmental Programs

EU CE Mark:

Yes

RG Type: 59/U

Electrical Characteristics

Nom. Characteristic Impedance:

Impedance (Ohm)
75

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

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Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 3.500

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

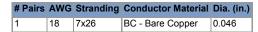
Max. Operating Voltage - UL: 350 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:



Insulation

Insulation Material:

Insulation Material Dia. (in.)
PP - Polypropylene | 0.059

Twisted Pair Color Code Chart:

Number Color

1 Black and Red

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 22.500

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	
UL Temperature Rating:	75°C	
Bulk Cable Weight:	54 lbs/1000 ft.	
Max. Recommended Pulling Tension:	102 lbs.	

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Min. Bend Radius (Install)/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

Applicable Standards & Environmental Programs			
NEC/(UL) Specification:	CMG		
NEC Articles:	800		
CEC/C(UL) Specification:	CMG		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2002/95/EC (RoHS):	Yes		
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005		
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		
C(UL) Flame Test:	FT4		
Suitability			
Suitability - Indoor:	Yes		

Suitability - Aerial: Plenum/Non-Plenum

Suitability - Outdoor:

Plenum (Y/N): No

Plenum Number: 649948

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
549945 0091000	1,000 FT	53.000 LB	WHITE	С	1 #18 PR, 1 RG-59/U COAX
549945 009500	500 FT	28.000 LB	WHITE	С	1#18,1RG-59/U COAX
549945 0101000	1,000 FT	53.000 LB	BLACK	С	1#18,1RG-59/U COAX
549945 010500	500 FT	28.000 LB	BLACK	С	1#18,1RG-59/U COAX

Yes

Yes

Notes:

C = CRATE REEL PUT-UP.

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