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



General Description:

5.000

0.650

PTZ (CCTV+Power/Audio) Cable, Rated-CMG, 1-RG59 20 AWG solid bare copper with foam polyolefin, 95% bare copper braid, 1-18 AWG stranded bare copper pair with polyolefin insulation, Siamese with PVC iacket

Home (Overell)	
Usage (Overall)	007/
Suitable Applications:	CCTV plus Audio, Pan and Tilt CCTV Control
Coax	
Physical Characteristics	
Conductor AWG:	
#Coax AWG Stranding Conductor Material Dia. (in.)	
1 20 Solid BC - bare Copper 0.032	
Insulation	
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	
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	

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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:

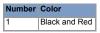
# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	7x26	BC - Bare Copper	0.046

Insulation

Insulation Material:



Twisted Pair Color Code Chart:



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 Cable

Overall Nominal Diameter:

0.232 x 0.450 in.

hanical 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.
Min. Bend Radius/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
NEC Articles:	800
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
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

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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 - 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	53.000 LB	WHITE	С	1 #18 PR, 1 RG-59/U COAX
549945 009500	500 FT	28.500 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	28.500 LB	BLACK	С	1#18,1RG-59/U COAX

Notes:

C = CRATE REEL PUT-UP.

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