METRIC 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:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	Solid	BC - bare Copper	0.813

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	3.683

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/m) 0.318

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m) 53.480

Nominal Velocity of Propagation:

VP (%) 83.000

Nominal Delay:

Delay (ns/m) 4.003

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 32.810

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Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km) 11.484

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.984
5.000	2.133
10.000	2.953
50.000	6.234
100.000	8.531
200.000	11.812
400.000	16.405
700.000	22.967
900.000	26.248
1000.000	27.889

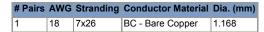
Max. Operating Voltage - UL: 350 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:



Insulation

Insulation Material:

Insulation Material Dia. (mm)
PP - Polypropylene | 1.499

Twisted Pair Color Code Chart:

Number Color

1 Black and Red

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 73.823

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: 5.893 x 11.430 mm

Mechanical Characteristics (Overall)

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Operating Temperature Range:	-30°C To +80°C	
UL Temperature Rating:	75°C	
Bulk Cable Weight:	80.363 Kg/Km	
Max. Recommended Pulling Tension:	453.716 N	

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63.500 mm
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Applicable Specifications and Agency Compliance (Overall)

App

Applicable Standards & Environmental Programs				
CMG				
800				
CMG				
Yes				
Yes				
01/01/2005				
Yes				
UL1685 UL Loading				
FT4				
Yes				
Yes				

Plenum/Non-Plenum

Suitability - Aerial:

Plenum (Y/N): No

Plenum Number: 649948

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
549945 0091000	305 MT	22.226 KG	WHITE	С	1 #18 PR, 1 RG-59/U COAX
549945 009500	152 MT	12.020 KG	WHITE	С	1#18,1RG-59/U COAX
549945 0101000	305 MT	22.226 KG	BLACK	С	1#18,1RG-59/U COAX
549945 010500	152 MT	12.020 KG	BLACK	С	1#18,1RG-59/U COAX

Yes

Notes:

C = CRATE REEL PUT-UP.

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