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

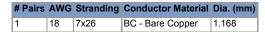
Max. Operating Voltage - UL: 350 V RMS

## **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)

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

Min. Bend Radius (Install)/Minor Axis:	63.500 mm

App	Applicable Specifications and Agency Compliance (Overall)					
Аp	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				
Fla	me Test					
	UL Flame Test:	UL1685 UL Loading				
	C(UL) Flame Test:	FT4				
Su	itability					
	Suitability - Indoor:	Yes				
	Suitability - Outdoor:	Yes				
	Suitability - Aerial:	Yes				
Plenum/Non-Plenum						
	Plenum (Y/N):	No				
	Plenum Number:	649948				

## **Related Documents:**

No related documents are available for this product

#### **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

#### Notes

C = CRATE REEL PUT-UP.

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