

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

	For more Information please call  1-800-Belden1
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**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	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	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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**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

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

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
PP - Polypropylene	0.059

Twisted Pair Color Code Chart

Number	Color
1	Black and Red

**Individual Shield:**

**Overall Diameter:**

Overall Nominal Diameter:

in.

**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

**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 Standards:**

NEC/(UL) Specification	CM
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	C	1 #18 PR, 1 RG-59/U COAX WHT
549945 009500	500 FT	28.000 LB	WHITE	C	1#18,1RG-59/U COAX WHT
549945 0101000	1,000 FT	56.000 LB	BLACK	C	1#18,1RG-59/U COAX BLK
549945 010500	500 FT	28.000 LB	BLACK	C	1#18,1RG-59/U COAX BLK

**Notes:**

C = CRATE REEL PUT-UP.

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