

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

For more Information
please call

1-800-Belden1



General Description:

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 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:

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DCR @ 20°C (Ohm/km)

32.810

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:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	7x26	BC - Bare Copper	1.168

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 Cable

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

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Bulk Cable Weight:	80.363 Kg/Km
Max. Recommended Pulling Tension:	453.716 N
Min. Bend Radius/Minor Axis:	63.500 mm

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
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	C	RG59 + 2C18 CMG SIAM
549945 009500	500 FT	28.500 LB	WHITE	C	RG59 + 2C18 CMG SIAM
549945 0101000	1,000 FT	53.000 LB	BLACK	C	RG59 + 2C18 CMG SIAM
549945 010500	500 FT	28.500 LB	BLACK	C	RG59 + 2C18 CMG SIAM

Notes:

C = CRATE REEL PUT-UP.

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