

649948 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, Plenum-CMP, 1-RG59 20 AWG solid bare copper with foam FEP, 95% bare copper braid, 1-18 AWG stranded bare copper pair with FEP insulation, Siamese with Flamarrest® 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)
FFEP - Foam Fluorinated Ethylene Propylene	3.404

Inner Shield**Inner Shield Material:**

Type	Inner Shield Material	% Coverage (%)
Braid	BC - Bare Copper	95

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)
52.824

Nominal Velocity of Propagation:

VP (%)
84.000

Nominal Delay:

Delay (ns/m)
3.970

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)

8.203

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.984
5.000	2.297
10.000	3.281
50.000	6.562
100.000	8.859
200.000	12.796
400.000	19.358
700.000	27.889
900.000	32.810
1000.000	35.107

Max. Operating Voltage - UL:

300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	7x26	BC - Bare Copper	1.194

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Flamarrest®	LS PVC-Low Smoke Polyvinyl chloride	1.575

Twisted Pair Color Code Chart:

Number	Color
1	Black and Red

Inner Shield

Inner Shield Material:

Inner Shield Material
Unshielded

Individual Shield

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

78.744

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:

Outer Shield Material

Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter:

4.877 x 9.728 mm

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Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	65.481 Kg/Km
Max. Recommended Pulling Tension:	431.475 N
Min. Bend Radius/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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:	NFPA 262
C(UL) Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	549945

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
649948 8771000	305 MT	21.773 KG	NATURAL	C	PLENUM RG59,1PR18SIAMASE
649948 877500	152 MT	11.567 KG	NATURAL	C	PLENUM RG59,1PR18SIAMASE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-12-2013

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METRIC MEASUREMENT VERSION

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