

649948 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 fluorinated ethylene propylene 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. (in.)
1	20	Solid	BC - Bare Copper	0.032

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	0.134

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/ft)
0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.100

Nominal Velocity of Propagation:

VP (%)
84.000

Nominal Delay:

Delay (ns/ft)
1.210

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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10.000

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.500

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.300
5.000	0.700
10.000	1.000
50.000	2.000
100.000	2.700
200.000	3.900
400.000	5.900
700.000	8.500
900.000	10.000
1000.000	10.700

Max. Operating Voltage - UL:

300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	7x26	BC - Bare Copper	0.047

Insulation

Insulation Material:

Insulation Material Dia. (in.)
PVC
0.062

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/ft)
24.000

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:

0.199 in.

649948 Composite - CCTV Plus Audio or Power or PAn and Tilt CCTV Control Applications**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	48 lbs/1000 ft.
Max. Recommended Pulling Tension:	97 lbs.
Min. Bend Radius/Minor Axis:	2 in.

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

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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	1,000 FT	48.000 LB	NATURAL	C	PLENUM RG59,1PR18SIAMASE
649948 877500	500 FT	25.500 LB	NATURAL	C	PLENUM RG59,1PR18SIAMASE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 06-28-2012

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