ENGLISH MEASUREMENT VERSION



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 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. (in.)
1	20	Solid	BC - Bare Copper	0.032

Insulation

Insulation Material:

	Insulation Material	Dia. (in.)
ı	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) 10.000

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Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 f	t)
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:



Individual Shield

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

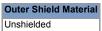


Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:



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.

Mechanical Characteristics (Overall)

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
649948 8771000	1,000 FT	48.000 LB	NATURAL	С	PLENUM RG59,1PR18SIAMASE
649948 877500	500 FT	25.500 LB	NATURAL	С	PLENUM RG59,1PR18SIAMASE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 02-24-2009

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determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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