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

Page 1 of 4 01-06-2012





649948 Composite - CCTV Plus Audio or Power or PAn and Tilt CCTV Control Applications

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:

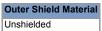


Physical Characteristics (Overall)

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)

Page 2 of 4 01-06-2012





649948 Composite - CCTV Plus Audio or Power or PAn and Tilt CCTV Control Applications

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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Page 3 of 4 01-06-2012

ENGLISH MEASUREMENT VERSION



649948 Composite - CCTV Plus Audio or Power or PAn and Tilt CCTV Control Applications

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.

Page 4 of 4 01-06-2012