Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



5499X5 Composite - Surveillance and CCTV Applications



For more Information please call

1-800-Belden1



General Description:

PTZ (CCTV+Power) Cable, Rated-CM, 1-RG59 20 AWG solid bare copper with foam polyolefin, 95% bare copper braid, water resistant tape, 2-18 AWG stranded bare copper conductors with PVC insulation and water resistant tape, Overall PVC jacket

Usage (Overall)	
Suitable Applications:	Siamese, Low Voltage, CCTV, Sunlight Resistant, Moisture Resistant
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.)	
Gas-injected FHDPE - Foam High Density Polyethylene 0.145	
Separator	
Outer Jacket Separator Material:	Water resistant tape over braid, under jacket
Inner Shield Inner Shield Material: Type Inner Shield Material % Coverage (%) Braid BC - Bare Copper 95 Overall Diameter	
Overall Nominal Diameter:	0.249 in.
Applicable Specifications and Agency Compliance Applicable Standards & Environmental Programs EU CE Mark:	Yes
Nom. Characteristic Impedance: Impedance (Ohm) 75 Nom. Inductance: Inductance (µH/ft) 0.097 Nom. Capacitance Conductor to Shield: Capacitance (pF/ft) 16.300 Nominal Velocity of Propagation: VP (%) 83.000 Nominal Delay: Delay (ns/ft) 1.220 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 10.000 Nom. Inner Shield DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 3.500 Nom. Attenuation:	

Page 1 of 3 01-09-2015

Detailed Specifications & Technical Data

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Attenuation (dB/100 ft.)
0.300
0.650
0.900
1.900
2.600
3.600
5.000
7.000
8.000
8.500

Max. Operating Voltage - UL:

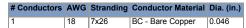
300 V RMS

Twisted Pair

Physical Characteristics

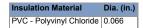
Conductor

AWG:



Insulation

Insulation Material:



Twisted Pair Color Code Chart:



Separator

Separator Material: Water resistant tape (over pair, under jacket)

Overall Diameter

Overall Nominal Diameter: 0.222 in.

Electrical Characteristics

Max. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 30.000

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: 0.249 x 0.506 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	55 lbs/1000 ft.
Max. Recommended Pulling Tension:	102 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	СМ
EU Directive 2011/65/EU (ROHS II):	Yes

Page 2 of 3 01-09-2015

Detailed Specifications & Technical Data





5499X5 Composite - Surveillance and CCTV Applications

	EU Directive 2000/53/EC (ELV):	Yes	
	EU Directive 2002/95/EC (RoHS):	Yes	
	EU RoHS Compliance Date (mm/dd/yyyy):	01/22/2007	
	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	
Flan	ne Test		
UL Flame Test:		UL1685 UL Loading	
	C(UL) Flame Test:	FT1	
Suitability			
	Suitability - Indoor:	Yes	
	Suitability - Outdoor:	Yes	
	Sunlight Resistance:	Yes	
Pler	Plenum/Non-Plenum		
	Plenum (Y/N):	No	
-			

Put Ups and Colors:

Ite	em #	Putup	Ship Weight	Color	Notes	Item Desc
54	499X5 0101000	1,000 FT	66.000 LB	BLACK	С	1 #18 PR, 1 RG-59/U COAX

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-26-2013

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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 3 of 3