Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION



539945 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control Applications

For more Information please call

1-800-Belden1



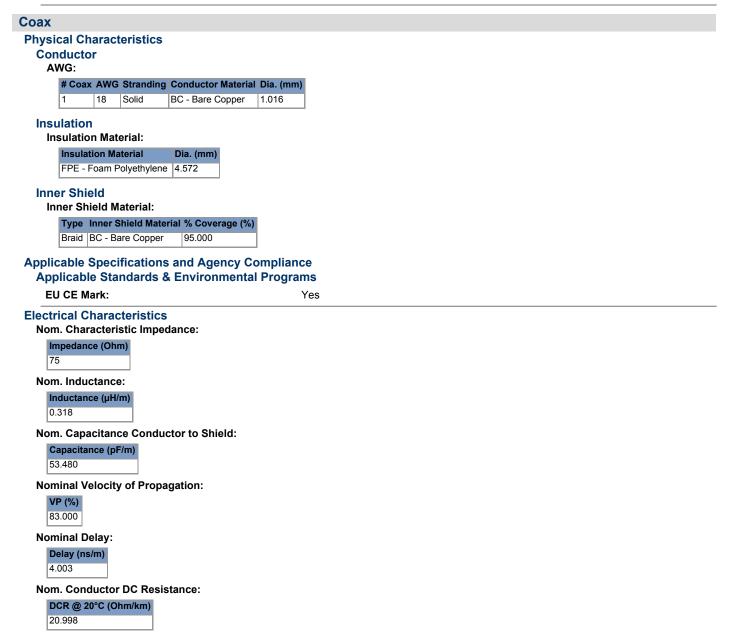
General Description:

PTZ (CCTV+Power/Audio) Cable, Rated-CMG, 1-RG6 18 AWG solid bare copper with foam polyolefin, 95% bare copper braid, 1-18 AWG stranded bare copper pair with polyolefin insulation, Siamese with PVC jacket

Usage (Overall)

Suitable Applications:

CCTV plus Audio, Pan and Tilt CCTV Control



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Nom. Inner Shield DC Resistance:

	DCR @ 20°C (Ohm/km)							
	10.171							
Nom. Attenuation:								
	Freq. (MHz)	Attenuation	(dB/100m)					
	1.000	0.656						
	5.000	1.476						
	10.000	2.100						
	50.000	4.790						
	100.000	6.890						
	200.000	9.843						
	400.000	14.108						
	700.000	19.030						
	900.000	21.983						
	1000.000	23.295						

Max. Operating Voltage - UL:

300 V RMS

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Physical Characteristics Conductor	
AWG:	
# Pairs AWG Stranding Conductor Material D	via. (mm)
1 18 7 BC - Bare Copper 1.	.168
Insulation Insulation Material:	
Insulation Material Dia. (mm) PP - Polypropylene 1.499	
Twisted Pair Color Code Chart:	
NumberColor1Black and Red	
Individual Shield Electrical Characteristics Nom. Capacitance Conductor to Conductor: Capacitance (pF/m)	
70.542	
70.542	
70.542	
70.542 Physical Characteristics (Overall) Conductor Outer Shield	
70.542 Physical Characteristics (Overall) Conductor Outer Shield Outer Shield Material: Outer Shield Material	
70.542 Physical Characteristics (Overall) Conductor Outer Shield Outer Shield Material: Outer Shield Material Unshielded	12.319 mm
70.542 Physical Characteristics (Overall) Conductor Outer Shield Outer Shield Material: Unshielded Overall Cable	12.319 mm
70.542 Physical Characteristics (Overall) Conductor Outer Shield Outer Shield Material: Unshielded Overall Cable Overall Nominal Diameter:	12.319 mm -30°C To +80°C
70.542 Physical Characteristics (Overall) Conductor Outer Shield Outer Shield Material: Outer Shield Material Unshielded Overall Cable Overall Nominal Diameter: Mechanical Characteristics (Overall)	
70.542 Physical Characteristics (Overall) Conductor Outer Shield Outer Shield Material: Unshielded Overall Cable Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range:	-30°C To +80°C
70.542 Physical Characteristics (Overall) Conductor Outer Shield Outer Shield Material: Outer Shield Material Unshielded Overall Cable Overall Nominal Diameter: Mechanical Characteristics (Overall) Operating Temperature Range: Non-UL Temperature Rating:	-30°C To +80°C 75°C



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pplicable Standards & Environmental Progr	ompliance (Overall) rams
NEC/(UL) Specification:	CMG
NEC Articles:	800
CEC/C(UL) Specification:	CMG
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
Other Specification:	NEC Article 800
lame Test	
UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4
uitability	
Suitability - Indoor:	Yes
lenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	639948

Electrical Characteristics (Overall)

Max. Operating Voltage - UL:

Voltage

300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
539945 0091000	1,000 FT	53.000 LB	WHITE	С	RG6 + 2C18 CMG SIAM
539945 009500	500 FT	27.500 LB	WHITE	С	RG6 + 2C18 CMG SIAM
539945 0101000	1,000 FT	53.000 LB	BLACK	С	RG6 + 2C18 CMG SIAM
539945 010500	500 FT	27.500 LB	BLACK	С	RG6 + 2C18 CMG SIAM

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 05-14-2013

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