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

Coax

Physical Characteristics

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FPE - Foam Polyethylene	4.572

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	% Coverage (%)
Braid	BC - Bare Copper	95.000

Applicable Specifications and Agency Compliance Applicable Standards & Environmental Programs

EU CE Mark: Yes

Electrical Characteristics

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



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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

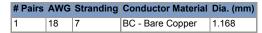
Max. Operating Voltage - UL: 300 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:



Insulation

Insulation Material:



Twisted Pair Color Code Chart:

Number Color

1 Black and Red

Individual Shield

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 70.542

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:

Outer Shield Material Unshielded

Overall Cable

Overall Nominal Diameter: 12.319 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C	
Non-UL Temperature Rating:	75°C	
Bulk Cable Weight:	74.410 Kg/Km	
Max. Recommended Pulling Tension:	507.095 N	
Min. Bend Radius/Minor Axis:	69.850 mm	

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Applicable Specifications and Agency Compliance (Overall)				
Applicable Standards & Environmental Programs				
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			
Flame Test				
UL Flame Test:	UL1685 FT4 Loading			
C(UL) Flame Test:	FT4			
Suitability				
Suitability - Indoor:	Yes			
Plenum/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	305 MT	24.041 KG	WHITE	С	1 #18 PR, 1 RG-6/U COAX
539945 009500	152 MT	12.474 KG	WHITE	С	1 #18 PR, 1 RG-6/U COAX
539945 0101000	305 MT	24.041 KG	BLACK	С	1 #18 PR, 1 RG-6/U COAX
539945 010500	152 MT	12.474 KG	BLACK	С	1 #18 PR, 1 RG-6/U COAX

Notes:

C = CRATE REEL PUT-UP.

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