Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



549945 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control Applications



For more Information please call

1-800-Belden1



General Description:

5.000

2.133

PTZ (CCTV+Power/Audio) Cable, Rated-CMG, 1-RG59 20 AWG solid bare copper with foam polyolefin, 95% bare copper braid, 1-18 AWG stranded bare copper pair with polyolefin insulation, Siamese with PVC iacket

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 20 Solid BC - bare Copper 0.813	
Insulation	
Insulation Material Dia. (mm)	
Gas-injected FHDPE - Foam High Density Polyethylene 3.683	
Inner Shield Inner Shield Material:	
TypeInner Shield Material% Coverage (%)BraidBC - Bare Copper95.000	
Applicable Specifications and Agency Compliance Applicable Standards & Environmental Programs	
EU CE Mark:	Yes
RG Type:	59/U
Nom. Characteristic Impedance: Impedance (Ohm) 75 Nom. Inductance: Inductance (μH/m) 0.318 Nom. Capacitance Conductor to Shield: Capacitance (pF/m) 53.480 Nominal Velocity of Propagation: VP (%) 83.000 Nominal Delay: Delay (ns/m) 4.003 Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/km) 32.810 Nom. Inner Shield DC Resistance: DCR @ 20°C (Ohm/km) 11.484 Nom. Attenuation:	
Freq. (MHz) Attenuation (dB/100m) 1.000 0.984	

Page 1 of 3 01-05-2017

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



549945 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control Applications

10.000	2.953
50.000	6.234
100.000	8.531
200.000	11.812
400.000	16.405
700.000	22.967
900.000	26.248
1000.000	27.889

Max. Operating Voltage - UL:

350 V RMS

Twisted Pair

Physical Characteristics

Conductor

AWG:

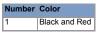
# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	7x26	BC - Bare Copper	1.168

Insulation

Insulation Material:



Twisted Pair Color Code Chart:



Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

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:

Mechanical Characteristics (Overall)

5.893 x 11.430 mm

Operating Temperature Range:	

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	80.363 Kg/Km
Max. Recommended Pulling Tension:	453.716 N
Min. Bend Radius/Minor Axis:	63.500 mm

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):	01/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes

Page 2 of 3

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



549945 Composite - CCTV Plus Audio or Power or Pan and Tilt CCTV Control Applications

	CA Prop 65 (CJ for Wire & Cable):	Yes		
	MII Order #39 (China RoHS):	Yes		
Fla	me Test			
	UL Flame Test:	UL1685 UL Loading		
	C(UL) Flame Test:	FT4		
Sui	Suitability			
	Suitability - Indoor:	Yes		
	Suitability - Outdoor:	Yes		
	Suitability - Aerial:	Yes		
Ple	Plenum/Non-Plenum			
	Plenum (Y/N):	No		
	Plenum Number:	649948		

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
549945 0091000	1,000 FT	53.000 LB	WHITE	С	RG59 + 2C18 CMG SIAM
549945 009500	500 FT	28.500 LB	WHITE	С	RG59 + 2C18 CMG SIAM
549945 0101000	1,000 FT	53.000 LB	BLACK	С	RG59 + 2C18 CMG SIAM
549945 010500	500 FT	28.500 LB	BLACK	С	RG59 + 2C18 CMG SIAM

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 5 Revision Date: 03-13-2013

© 2017 Belden, Inc All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product

product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Page 3 of 3