Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION



543945 Coax - Surveillance and CCTV Applications

For more Information please call

1-800-Belden1



Description:

20 AWG solid bare copper conductor, foam polyethylene insulation, bare copper braid shield, PVC jacket, sequential footage marking every two feet.

Usage (Overall)	
Suitable Applications:	Analog Video/CCTV Coax.
Physical Characteristics (Overall)	
Conductor AWG:	_
# Coax AWG Stranding Conductor Material Dia. (m 1 20 Solid BC - Bare Copper 0.8128	
Insulation Insulation Material:	
Insulation MaterialDia. (mm)Gas-injected FPE - Foam Polyethylene3.683	
Outer Shield Outer Shield Material:	
TypeOuter Shield MaterialCoverage (%)BraidBC - Bare Copper90.000	
Outer Jacket Outer Jacket Material: Outer Jacket Material PVC - Polyvinyl Chloride	
Overall Cable	
Overall Nominal Diameter:	5.893 mm
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-30°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	43.158 Kg/Km
Max. Recommended Pulling Tension:	253.547 N
Min. Bend Radius/Minor Axis:	63.500 mm
Applicable Specifications and Agency Co	ompliance (Overall)
Applicable Standards & Environmental Progr	rams
NEC/(UL) Specification:	CMG
NEC Articles:	800
CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	

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100

200 400

700

900

8.5306 11.8116

16.405

22.967

26.248



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	543945 Coax - Surveillance
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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
RG Type:	59/U
Series Type:	Series 59
lame Test	
UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
C(UL) Flame Test:	FT4
suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only.
Suitability - Aerial:	Yes - Black only.
lenum/Non-Plenum	
Plenum (Y/N):	Νο
0.318257	
Capacitance (pF/m) 53.4803	
VP (%) 83	
lominal Delay: Delay (ns/m) 4.036	
om. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 32.81	
ominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 10.827	
lom. Attenuation:	
Freq. (MHz) Attenuation (dB/100m)	
1 0.9843	
5 2.13265	
10 2.9529	
50 6.2339	

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1000 27.8885

Max. Attenuation:

Freq. (MHz)		Attenuation (dB/100m)
	5.000	2.461
	50.000	7.054

Max. Operating Voltage - UL:

Voltage 300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
543945 009U1000	305 MT	14.061 KG	WHITE		RG-59/U COAX
543945 009U500	152 MT	7.258 KG	WHITE		RG-59/U COAX
543945 0091000	305 MT	14.969 KG	WHITE	С	RG-59/U COAX
543945 009500	152 MT	7.258 KG	WHITE		RG-59/U COAX
543945 010U1000	305 MT	14.061 KG	BLACK		RG-59/U COAX
543945 010U500	152 MT	7.258 KG	BLACK		RG-59/U COAX
543945 0101000	305 MT	14.969 KG	BLACK	С	RG-59/U COAX
543945 010500	152 MT	7.258 KG	BLACK	С	RG-59/U COAX

Notes:

C = CRATE REEL PUT-UP.

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