# **Detailed Specifications & Technical Data**



ENGLISH MEASUREMENT VERSION

## 543945 Coax - Surveillance and CCTV Applications



For more Information please call

1-800-Belden1



### **General Description:**

Surveillance & CCTV Cable, RG59, Rated-CMG, 20 AWG solid bare copper, foamed polyolefin core, 93% bare copper braid, PVC jacket

Usage (Overall)	
Suitable Applications:	Analog Video/CCTV Coax.
Physical Characteristics (Overall)	
Conductor	
AWG: # Coax AWG Stranding Conductor Material Dia. (in.)	
1 20 Solid BC - Bare Copper .032	
Insulation	
Insulation Material: Insulation Material Dia. (in.)	
Gas-injected FPE - Foam Polyethylene 1.145	
Outer Shield	
Outer Shield Material:	
Type         Outer Shield Material         Coverage (%)           Braid         BC - Bare Copper         93.000	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material PVC - Polyvinyl Chloride	
Overall Cable	
Overall Nominal Diameter:	0.232 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-30°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	29 lbs/1000 ft.
Max. Recommended Pulling Tension:	57 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.
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 CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
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



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Nom. Inductance:           Inductance (μ//ft)           .097           Nom. Capacitance Co           Capacitance (pF/ft)           16.3           Nominal Velocity of Pr           VP (%)           83           Nominal Delay:           Delay (ns/ft)           1.230           Nom. Conductor DC R           DCR @ 20°C (Ohm           10.0           Nominal Outer Shield           DCR @ 20°C (Ohm           3.300           Nom. Attenuation:           Freq. (MHz) Attent           1         .30           5         .65           10         .90           50         1.90           100         2.60           200         3.60           400         5.00           700         7.00           900         8.00           1000         8.50           Max. Attenuation:         Freq. (MHz) Attent           5.000         0.750           50.000         2.150           Max. Operating Voltage           300 V RMS           Put Ups and Color	opagation:         esistance:         1000 ft)         DC Resistance:         1000 ft)         ation (dB/100 ft.)         ation (dB/100 ft.)	
Inductance (μH/ft)           .097           Nom. Capacitance (pF/ft)           16.3           Nominal Velocity of Provide the second	opagation:         esistance:         1000 ft)         DC Resistance:         1000 ft)         ation (dB/100 ft.)	
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75		
Nom. Characteristic In Impedance (Ohm)	pedance:	
Electrical Charac		
Plenum (Y/N):		ю
Plenum/Non-Plenu		
Suitability - Aeria		és - Black only.
Suitability - Outd	vor: Y	es - Black only.
Suitability - Indoo	r: Y	/es
Suitability		
C(UL) Flame Test	F	T4
UL Flame Test:	L	IL1685 FT4/IEEE 1202 Vertical Tray Flame Test
Flame Test		
Series Type:	 S	ieries 59
RG Type:	5	9/U

Item #	Putup	Ship Weight	Color	Notes	Item Desc
543945 009U1000	1,000 FT	31.000 LB	WHITE		RG-59/U COAX
543945 009U500	500 FT	16.000 LB	WHITE		RG-59/U COAX
543945 0091000	1,000 FT	33.000 LB	WHITE	С	RG-59/U COAX
543945 009500	500 FT	16.000 LB	WHITE		RG-59/U COAX
543945 010U1000	1,000 FT	31.000 LB	BLACK		RG-59/U COAX



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543945 010U500	500 FT	16.000 LB	BLACK		RG-59/U COAX
543945 0101000	1,000 FT	33.000 LB	BLACK	С	RG-59/U COAX
543945 010500	500 FT	16.000 LB	BLACK	С	RG-59/U COAX

Notes:

C = CRATE REEL PUT-UP.

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