

533945 Coax - Surveillance and CCTV Applications



For more Information
please call

1-800-Belden1



General Description:

Surveillance & CCTV Cable, RG6, Rated-CMG, 18 AWG solid bare copper, foamed polyolefin core, 95% bare copper braid, PVC jacket

Usage (Overall)

Suitable Applications: Analog Video/CCTV

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BC - Bare Copper	.040

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.180

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.266 in.

Mechanical Characteristics (Overall)

UL Temperature Rating:	75°C
Bulk Cable Weight:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	69 lbs.
Min. Bend Radius/Minor Axis:	2.750 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
PMSHA Specification:	P-07-KA110035-MSHA
RG Type:	6/U
Series Type:	Series 6

Flame Test

UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only.
Suitability - Aerial:	Yes - Black only.

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/ft)

.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

16.3

Nominal Velocity of Propagation:

VP (%)

83

Nominal Delay:

Delay (ns/ft)

1.21

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.700

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	.24
10	.72
50	1.5
100	2.0
200	2.9
400	4.2
700	5.6
900	6.4

1000	7.0
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Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
533945 009U1000	1,000 FT	44.000 LB	WHITE		RG-6/U COAX
533945 0091000	1,000 FT	46.000 LB	WHITE	C	RG-6/U COAX
533945 010U1000	1,000 FT	44.000 LB	BLACK		RG-6/U COAX
533945 0101000	1,000 FT	46.000 LB	BLACK	C	RG-6/U COAX
533945 010500	500 FT	24.000 LB	BLACK	C	RG-6/U COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 5 Revision Date: 03-11-2013

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