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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. (mm)
1	18	Solid	BC - Bare Copper	1.016

### Insulation

Insulation Material:

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

### 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: 6.756 mm

## Mechanical Characteristics (Overall)

UL Temperature Rating:	75°C
Bulk Cable Weight:	53.575 Kg/Km
Max. Recommended Pulling Tension:	306.926 N
Min. Bend Radius/Minor Axis:	69.850 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 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
MIL Order #39 (China RoHS):	Yes
PMSHA Specification:	P-07-KA110035-MSHA

## 533945 Coax - Surveillance and CCTV Applications

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

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

75

## Nom. Inductance:

Inductance (µH/m)

0.318257

## Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

53.4803

## Nominal Velocity of Propagation:

VP (%)

83

## Nominal Delay:

Delay (ns/m)

3.97001

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.9984

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

8.859

## Nom. Attenuation:

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

1	0.78744
10	2.36232
50	4.9215
100	6.562
200	9.5149
400	13.7802
700	18.3736
900	20.9984
1000	22.967

## 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	39.000 LB	WHITE		RG-6/U COAX
533945 009I1000	1,000 FT	41.000 LB	WHITE	C	RG-6/U COAX
533945 010U1000	1,000 FT	39.000 LB	BLACK		RG-6/U COAX
533945 010I1000	1,000 FT	41.000 LB	BLACK	C	RG-6/U COAX
533945 010S00	500 FT	21.000 LB	BLACK	C	RG-6/U COAX

## Notes:

C = CRATE REEL PUT-UP.

## 533945 Coax - Surveillance and CCTV Applications

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