

## 533945 Coax - Surveillance and CCTV Applications

For more Information  
please call

1-800-Belden1



### Description:

18 AWG bare copper conductor, foam polyethylene insulation, bare copper braid shield, sequential footage marking every two feet.

### 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 Cabling

**Overall Nominal Diameter:** 0.266 in.

### Mechanical Characteristics (Overall)

<b>UL Temperature Rating:</b>	75°C
<b>Bulk Cable Weight:</b>	36 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	69 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMG
<b>NEC Articles:</b>	800
<b>CEC/C(UL) Specification:</b>	CMG
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	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:	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

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

### Related Documents:

No related documents are available for this product

### 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 009I1000	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 010I1000	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.

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