# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



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

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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
lame 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:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



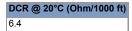
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**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:

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Voltage

#### **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 0091000	1,000 FT	46.000 LB	WHITE	С	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	С	RG-6/U COAX
533945 010500	500 FT	24.000 LB	BLACK	С	RG-6/U COAX

#### Notes:

C = CRATE REEL PUT-UP.

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