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please call

1-800-Belden1



**General Description:**

Surveillance, CATV & MATV Cable, RG6, Plenum-CMP & CATVP, 18 AWG solid bare copper, foamed FEP core, Duofoil®+90% aluminum braid, Flamarrest® jacket

**Usage (Overall)**

Suitable Applications: CATV, MATV

**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.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

**Outer Shield**

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	90

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.233 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	28 lbs/1000 ft.
Max. Recommended Pulling Tension:	104 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.

**Applicable Specifications and Agency Compliance (Overall)**

**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP, CATVP
NEC Articles:	820
CEC/(UL) Specification:	CMP
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):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes

## 633938 Coax - Commercial CATV or MATV Applications

MII Order #39 (China RoHS):	Yes
RG Type:	6/U
Series Type:	Series 6

### Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Surface Printing (Overall)

## 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)**

1.24

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

6.4

### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

3.5

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.24
3	0.45
5	0.55
8	0.70
10	0.85
50	1.50
100	2.1
200	3.1
400	4.5
700	6.0
900	6.9
1000	7.3

### Max. Operating Voltage - UL:

**Voltage**

300 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
633938 008U1000	1,000 FT	29.000 LB	GRAY		RG-6/U PLENUM COAX
633938 009U1000	1,000 FT	29.000 LB	WHITE		RG-6/U PLENUM COAX
633938 010U1000	1,000 FT	29.000 LB	BLACK		RG-6/U PLENUM COAX
633938 877U1000	1,000 FT	29.000 LB	NATURAL		RG-6/U PLENUM COAX
633938 8771000	1,000 FT	29.000 LB	NATURAL	C	RG-6/U PLENUM COAX
633938 877500	500 FT	15.000 LB	NATURAL	C	RG-6/U PLENUM COAX

### Notes:

C = CRATE REEL PUT-UP.

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