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## General Description:

Surveillance, CATV & MATV Cable, RG6, Rated-CM, 18 AWG solid bare copper, foamed polyolefin core, Duofoil®+60% aluminum braid, PVC jacket

## Physical Characteristics (Overall)

### Conductor

AWG:

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

Total Number of Conductors: 1

### Insulation

Insulation Material:

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

### 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	60

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.266 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	28 lbs/1000 ft.
Max. Recommended Pulling Tension:	68 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
NEC Articles:	820
CEC/C(UL) Specification:	CM
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
RG Type:	6/U

Series Type: Series 6

**Flame Test**

UL Flame Test: UL1685 UL Loading

C(UL) Flame Test: FT1

**Plenum/Non-Plenum**

Plenum (Y/N): No

**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)  
6.5

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
9

**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
5	.81
55	1.60
211	3.08
270	3.50
300	3.70
330	3.89
400	4.30
450	4.58
550	5.09
750	6.00
870	6.50
1000	7.00

**Max. Operating Voltage - UL:**

Voltage  
350 V RMS

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5339B5 009U1000	1,000 FT	28.000 LB	WHITE		RG-6/U COAX
5339B5 009U500	500 FT	15.000 LB	WHITE		RG-6/U COAX
5339B5 0091000	1,000 FT	29.000 LB	WHITE		RG-6/U COAX
5339B5 009500	500 FT	15.000 LB	WHITE		RG-6/U COAX
5339B5 010U1000	1,000 FT	28.000 LB	BLACK		RG-6/U COAX
5339B5 010500	500 FT	15.000 LB	BLACK		RG-6/U COAX

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## **5339B5 Coax - CATV and MATV Applications**

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