

## 5339W5 Coax - Surveillance and CCTV Applications

For more Information  
please call

1-800-Belden1

**General Description:**

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

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	18	Solid	BC - Bare Copper	1.016

Total Number of Conductors: 1

**Insulation****Insulation Material:**

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

**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 Shield Flooding Grease: CoreGuard®

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 6.858 mm

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -40°C To +80°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 44.646 Kg/Km

Max. Recommended Pulling Tension: 302.478 N

Min. Bend Radius/Minor Axis: 69.850 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CM

NEC Articles: 800

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

RG Type: 6/U

**Flame Test**

UL Flame Test: UL1685 UL Loading

C(UL) Flame Test: FT1

**Suitability**

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Sunlight Resistance: Yes

**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)

21.3265

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)

29.529

**Nom. Attenuation:**

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

4 1.9686

30 4.36373

211 10.1055

270 11.4835

300 12.1397

330 12.7631

400 14.1083

450 15.027

## METRIC MEASUREMENT VERSION

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550	16.7003
750	19.686
870	21.3265
1000	22.967

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5339W5 010U1000	1,000 FT	30.000 LB	BLACK		#18 GIFHDLDPE SH PVC
5339W5 010I1000	1,000 FT	31.000 LB	BLACK		#18 GIFHDLDPE SH PVC

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