

## 5339W5 Coax - Surveillance and CCTV Applications

For more Information  
please call

1-800-Belden1

**Description:**

18 AWG bare copper conductor, foam polyethylene insulation, aluminum braid plus duofoil(R) shield, sequential footage marking every two feet.

**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:

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: 0.270 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	68 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.750 in.

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

NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	CM
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes

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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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RG Type:	6/U
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**Flame Test**

UL Flame Test:	UL1685 UL Loading
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C(UL) Flame Test:	FT1
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Sunlight Resistance:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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75
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**Nom. Inductance:**

Inductance (μH/ft)
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.097
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**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
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16.3
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**Nominal Velocity of Propagation:**

VP (%)
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83
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**Nominal Delay:**

Delay (ns/ft)
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1.21
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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6.5
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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9
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**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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4	0.60
30	1.33
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

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1000	7.00
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**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
5339W5 010U1000	1,000 FT	30.000 LB	BLACK		#18 GIFHDLDP SH PVC
5339W5 010I1000	1,000 FT	31.000 LB	BLACK		#18 GIFHDLDP SH PVC

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