

## 5339V5 Coax - CATV and MATV Applications



For more Information  
please call

1-800-Belden1

**Description:**

18 AWG solid bare copper conductor, gas-injected foam polyethylene insulation, Duofoil® (100% coverage) plus an aluminum braid shield (60% coverage), CoreGuard®, water resistant tape, PVC jacket.

**Usage (Overall)**

**Suitable Applications:** Low Voltage, CATV, Sunlight Resistant, Moisture Resistant

**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

**Outer Jacket Separator Material:** Water resistant tape (over braid, under jacket)

**Overall Cable**

**Overall Nominal Diameter:** 0.277 in.

**Mechanical Characteristics (Overall)**

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 31 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

## 5339V5 Coax - CATV and MATV Applications

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):	04/24/2006
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

**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
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**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

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
4	0.60
30	1.33
211	3.08
270	3.50
300	3.70
330	3.89

## 5339V5 Coax - CATV and MATV Applications

400	4.30
450	4.58
550	5.09
750	6.00
870	6.50
1000	7.00

**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
5339V5 0101000	1,000 FT	25.000 LB	BLACK	C	#18 GIFHDLPE SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 01-07-2011

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