



**Part Number: 5339W5**

Surveillance CATV MATV, RG-6 #18 BC, Duofoil® + 60% AL Braid, CM, Gel Fill

## Product Description

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

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	1	1	1
				1		

Conductor Count:	1
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.18 in

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester/Aluminum	Duofoil®	100 %
Braid	2	AL - Aluminum		60 %

Note:	CoreGuard®
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#### Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.27 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
6.5 Ohm/1000ft	6.5 Ohm/1000ft	9 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

Shielding:	Foil + Braid(s)
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#### Inductance

Nominal Inductance
0.097 µH/ft

#### Impedance

Nominal Characteristic Impedance
75 Ohm

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
4 MHz	0.6 dB/100ft
30 MHz	1.33 dB/100ft
211 MHz	3.08 dB/100ft
270 MHz	3.5 dB/100ft
300 MHz	3.7 dB/100ft
330 MHz	3.89 dB/100ft
400 MHz	4.3 dB/100ft
450 MHz	4.58 dB/100ft
550 MHz	5.09 dB/100ft
750 MHz	6 dB/100ft
870 MHz	6.5 dB/100ft
1000 MHz	7 dB/100ft

#### Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
83 ns/100m	1.21 ns/ft	83 %

#### High Freq

Frequency [MHz]
4 MHz
30 MHz
211 MHz
270 MHz
300 MHz
330 MHz
400 MHz
450 MHz
550 MHz
750 MHz
870 MHz
1000 MHz

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-40°C To +80°C

#### Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max Recommended Pulling Tension:	68 lbs
Min Bend Radius/Minor Axis:	2.75 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca
RG Type:	6/U Type
RG / Series Type:	6/U Type

#### Applicable Environmental and Other Programs

EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT1
UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color
5339W5 0101000	Black
5339W5 010U1000	Black

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