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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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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