


Detailed Specifications & Technical Data



5339W5 Coax - New Generation®

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

Bare copper conductor, foam polyolefin insulation, foil plus braid shield, braid impregnated with Coreguard® flame retardant flooding compound, UV resistant PVC jacket. Sequential footage marking every two feet.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	6/U
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.180 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duofoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60

Outer Shield % Coverage	100 %
Outer Shield Flooding Grease	CoreGaurd®

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.270 in.
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MECHANICAL CHARACTERISTICS:

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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)	2.75 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
NEC Articles	800
CEC/C(UL) Specification	CM

FLAME TEST:

UL Flame Test	UL1581 Vertical Tray
C(UL) Flame Test	FT1

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.097 µH/ft
Nom. Capacitance Conductor to Shield	16.3 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.21 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	9 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	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
	1000			7.00

Max. Operating Voltage - UL 300 V RMS

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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
5339W5 0101000	#18 GIFHDL DPE SH PVC	1000	32	BLACK	
5339W5 010500	#18 GIFHDL DPE SH PVC	500	16	BLACK	
5339W5 010U1000	#18 GIFHDL DPE SH PVC	U1000	31	BLACK	
5339W5 010U500	#18 GIFHDL DPE SH PVC	U500	16	BLACK	

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