



Part Number		Item Number	
V05920BC		RG59/U Coaxial Cable	
Conductor		Insulation	
Composition (No./M)	1/0.81 ± 0.008 mm	Material	Gas-Injected Foam Poly Ethylene
Material	Bare Copper	Thickness	1.45 ± 0.05
Outside Diameter (mm)	0.810	Nominal Diameter (mm)	3.7 ± 0.1
AWG (Stranding)	20		
Outer Shield		Inner Shield	
Material	Bare Copper	Material	-
Construction	16/7/0.15 ± 0.008 mm	Construction	-
picks/inches	8	picks/inches	-
Coverage	>95%	Coverage	-
Jacket/Sheath		Nominal Capacity	
Material	PVC	pf/Ft	16.30 ± 3
Diameter	6.0 ± 0.1 mm	pf/m	53.50 ± 3
Color	Black	-	-
Nominal Velocity of Propagation		Nom. Impedance	
82 %		75 ± 3	
Nominal Attenuation			
Frequency (MHz)		dB/100'	dB/100m
1		0.30	1.00
10		0.90	3.00
50		1.90	6.20
100		2.60	8.50
200		3.60	11.80
400		5.00	16.40
700		7.00	23.00

900	8.00	26.30		
1000	8.50	27.90		
<b>Electrical Properties</b>				
Conductor Resistance	Ω/100M	8		
Dielectric Resistance	MΩ/M	Min 5000		
Spark Test	V AC	1750		
Jacket Spark Test	V AC	1750		
Dielectric Withstand Test	V AC	1500 (at least 2 sec)		
Impedance	Ω	75		
Capacitance	pF/m	58.5 ± 3		
VOP (1 MHz - 1000 MHz)	%	79.4 at 1 GHz		
VSWR (MHz)	%	1.075 at 1 GHz		
<b>Physical Property</b>				
<i>Insulation</i>	Tensile Strength	Unaged	Psi	1170
		Aged	%	80
	Elongation	Unaged	%	111
		Aged	%	82
	Concentricity	-	-	90
	Strip Force	-	-	PASS
<i>Jacket</i>	Tensile Strength	Unaged	Psi	2300
		Aged	%	86
	Elongation	Unaged	%	310
		Aged	%	80
	Concentricity	-	%	91
	Strip Force	-	-	PASS
Jacket Thickness	-	mm	0.83 ± 0.05	
<b>RoHS Test</b>				
Cadmium (Cd)	ppm	ND		
Lead (Pb)	ppm	ND		
Mercury (Hg)	ppm	ND		
Chromium VI (Cr + 6)	ppm	ND		
PBBs (Polybrominated biphenyls)	ppm	ND		
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