



Part Number		Item Number	
V05920S		RG59/U Coaxial Cable (MIL-C-17G) - Black	
Conductor		Insulation	
Composition (No./M)	1/.0584 ± 0.008 mm	Material	Poly Ethylene
Material	Copper Cladded Steel	Thickness	1.53 ± 0.05
Outside Diameter (mm)	0.645	Nominal Diameter (mm)	3.7 ± 0.1
AWG (Stranding)	22		
Outer Shield		Inner Shield	
Material	Bare Copper	Material	-
Construction	16/7/0.16 ± 0.008 mm	Construction	-
picks/inches	8	picks/inches	-
Coverage	>96%	Coverage	-
Jacket/Sheath		Nominal Capacity	
Material	Non-Contaminating PVC	pf/Ft	16 ± 3
Diameter	6.0 ± 0.1 mm	pf/m	69 ± 3
Color	Black	-	-
Nominal Velocity of Propagation		Nom. Impedance	
66.00%		75 ± 3	
Nominal Attenuation			
Frequency (MHz)	dB/100'		dB/100m
1	0.60		1.97
10	1.10		3.61
50	2.40		7.87
100	3.40		11.15
200	5.00		16.40
400	7.10		23.29
700	9.80		32.15

900	11.20	36.75		
1000	12.10	39.70		
Electrical Properties				
Conductor Resistance	Ω/Km	154.4		
Dielectric Resistance	MΩ/Km	1000↓		
Spark Test	VAC	1750		
Jacket Spark Test	VAC	1750		
Dielectric Withstand Test	VAC	1500 (at least 2 sec)		
Impedance	Ω	75 ± 3		
Capacitance	pF/M	68 ± 3		
VOP (1 MHz - 1000 MHz)	%	66		
VSWR (MHz)	%	1.2		
Physical Property				
<i>Insulation</i>	Tensile Strength	Unaged	Psi	1500min
		Aged	%	70% min
	Elongation	Unaged	%	100% min
		Aged	%	65%
	Concentricity	-	%	100%↓
	Strip Force	-	-	-
<i>Jacket</i>	Tensile Strength	Unaged	Psi	1500min
		Aged	%	70% min
	Elongation	Unaged	%	100% min
		Aged	%	65%
	Concentricity	-	-	100%↓
	Strip Force	-	-	-
	Jacket Thickness	-	mm	0.83 ± 0.05mm
RoHS Test				
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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