



V21310S		RG213/U Coaxial Cable (MIL-C-17G)	
Conductor		Insulation	
Composition (No./M)	7/0.752 ± 0.008 mm	Material	Poly Ethylene
Material	Bare Copper	Thickness	2.5 ± 0.05
Outside Diameter (mm)	2.26	Nominal Diameter (mm)	7.24 ± 0.1
AWG (Stranding)	13		
Outer Shield		Inner Shield	
Material	Bare Copper	Material	-
Construction	24/8/0.18 ± 0.008 mm	Construction	-
picks/inches	8	picks/inches	-
Coverage	>97%	Coverage	-
Jacket/Sheath		Nominal Capacity	
Material	Black NON-Contaminating PVC	pf/Ft	29.8 ± 3
Diameter	10.30 ± 0.1	pf/m	98 ± 3
Color	Black	-	-
Nominal Velocity of Propagation		Nom. Impedance	
66.00%		50 ± 3	
Nominal Attenuation			
Frequency (MHz)	dB/100'		dB/100m
1	0.15		0.49
10	0.55		1.79
50	1.28		4.20
100	1.86		6.10
200	2.75		9.01
400	4.12		13.52
700	5.72		18.77
900	6.75		22.13
1000	7.10		23.29

Electrical Properties				
Conductor Resistance	Ω/100M			1.7
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			50
Capacitance	pF/m			66 ± 3
VOP (1 MHz - 1000 MHz)	%			72 at 1 GHz
VSWR (MHz)	%			1.074 at 1 GHz
Physical Property				
<i>Insulation</i>	Tensile Strength	Unaged	Psi	2170
		Aged	%	88
	Elongation	Unaged	%	566
		Aged	%	85
	Concentricity	-	%	92
	Strip Force	-	-	PASS
<i>Jacket</i>	Tensile Strength	Unaged	Psi	2355
		Aged	%	85
	Elongation	Unaged	%	266
		Aged	%	80
	Concentricity	-	%	93
	Strip Force	-	-	PASS
Jacket Thickness	-	mm	1.14 ± 0.05	
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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