



Part Number		Item Number	
V21410D		RG214/U Coaxial Cable (MIL-C-17G)	
Conductor		Insulation	
Composition (No./M)	7/0.763 +/- 0.008 mm	Material	Poly Ethylene
Material	Silver Plated Copper	Thickness	2.45 +/- 0.05
Outside Diameter (mm)	2.30	Nominal Diameter (mm)	(7.24) (7.85)
AWG (Stranding)	13		
Outer Shield		Inner Shield	
Material	Silver Plated Copper	Material	Silver Plated Copper
Construction	24/7/0.16 + 0.008 mm	Construction	24/7/0.16 +/- 0.008 mm
picks/inches	12	picks/inches	12
Coverage	>94%	Coverage	>95%
Jacket/Sheath		Nominal Capacity	
Material	Black NON-Contaminating PVC	pf/Ft	33.5 +/- 3
Diameter	10.90 +/- 0.2	pf/m	110 +/- 3
Color	Black	-	-
Nominal Velocity of Propagation		Nom. Impedance	
66.00%		50 +/- 3	
Nominal Attenuation			
Frequency (MHz)	dB/100'		dB/100m
1	0.17		0.55
10	0.56		1.84
50	1.30		4.26
100	1.90		6.24
200	2.80		9.20
400	4.20		13.70
700	6.50		21.30
900	7.70		25.30

1000	8.10	26.50		
4000	20.50	67.30		
Electrical Properties				
Conductor Resistance	Ω/Km	5.7		
Dielectric Resistance	MΩ/Km	1000↓		
Spark Test	-	2.5kv		
Jacket Spark Test	-	2.5kv		
Dielectric Withstand Test	-	1kv/min		
Impedance	Ω	50 +/- 3		
Capacitance	pF/M	111 +/- 3		
VOP (1 MHz - 1000 MHz)	%	66		
VSWR (1 MHz - 1000 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	-	-	1.19mm±0.1mm
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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