



Part Number		Item Number	
V01120S		RG11/U Coaxial Cable (MIL-C-17G)	
Conductor		Insulation	
Composition (No./M)	7/0.4 ± 0.008 mm	Material	Poly Ethylene
Material	Tinned Copper	Thickness	3.0 ± 0.05
Outside Diameter (mm)	1.2	Nominal Diameter (mm)	7.24 ± 0.1
AWG (Stranding)	18		
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	PVC	pF/Ft	21.6 ± 3
Diameter	10.30 ± 0.1 mm	pF/m	71 ± 3
Color	Black	-	-
Nominal Velocity of Propagation		Nom. Impedance	
66.00%		75 ± 3	

Nominal Attenuation		
Frequency (MHz)	dB/100'	dB/100m
1	0.20	0.66
10	0.75	2.46
50	1.40	4.59
100	2.10	6.89
200	3.00	9.84
400	4.30	14.11

700	5.90	19.36
900	6.90	22.64
1000	7.20	23.62

Electrical Properties				
Conductor Resistance	Ω/100M	1.8		
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 ± 3		
Capacitance	pF/m	66 ± 3		
VOP (1 MHz - 1000 MHz)	%	72 at 1 GHz		
VSWR (MHz)	%	1.08 at 1 GHz		
Physical Property				
<i>Insulation</i>	Tensile Strength	Unaged	Psi	2067
		Aged	%	82
	Elongation	Unaged	%	450
		Aged	%	88
	Concentricity	-	%	90
	Strip Force	-	-	PASS
<i>Jacket</i>	Tensile Strength	Unaged	Psi	2533
		Aged	%	82
	Elongation	Unaged	%	333
		Aged	%	85
	Concentricity	-	%	92
	Strip Force	-	-	PASS
Jacket Thickness	-	mm	1.16 ± 0.05mm	
RoHS Test				
Cadmium (Cd)	ppm	ND		
Lead (Pb)	ppm	ND		
Mercury (Hg)	ppm	ND		
Chromium VI (Cr + 6)	ppm	ND		

<b>PBBs (Polybrominated biphenyls)</b>	ppm	ND
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