



Part Number		Item Number	
V05810S		RG58/U Coaxial Cable (JAN-C-17A)	
Conductor		Insulation	
Composition (No./M)	1/0.8 +/- 0.008 mm	Material	Poly Ethylene
Material	Bare Copper	Thickness	1.05 +/- 0.05
Outside Diameter (mm)	0.80	Nominal Diameter (mm)	2.95 +/- 0.2
AWG (Stranding)	20		
Outer Shield		Inner Shield	
Material	Tinned Copper	Material	-
Construction	16/7/0.12 + 0.008 mm	Construction	-
picks/inches	8	picks/inches	-
Coverage	95%	Coverage	-
Jacket/Sheath		Nominal Capacity	
Material	PVC	pf/Ft	32.3 +/- 5
Diameter	5.0 +/- 0.2	pf/m	96 +/- 5
Color	Black	-	-
Nominal Velocity of Propagation		Nom. Impedance	
66.00%		50 +/- 3	
Nominal Attenuation			
Frequency (MHz)	dB/100'		dB/100m
1	0.40		1.31
10	1.10		3.61
50	2.60		8.53
100	3.80		12.47
200	5.60		18.37
400	8.40		27.56
700	11.80		38.71

900	13.70	44.95		
1000	14.50	47.57		
Electrical Properties				
Conductor Resistance	Ω/Km	34		
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	96 +/- 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	-	-	-
Jacket	Tensile Strength	Unaged	Psi	1500min
		Aged	%	70%min
	Elongation	Unaged	%	100%min
		Aged	%	65%
	Concentricity	-	%	100%↓
	Strip Force	-	-	-
	Jacket Thickness	-	-	0.78mm±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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