



Part Number		Item Number	
V01120DBC		RG11/U Coaxial Cable	
Conductor		Insulation	
Composition (No./M)	1.62 ± 0.008 mm	Material	Gas-Injected High Density Poly Ethylene
Material	Bare Copper	Thickness	2.80 ± 0.05
Outside Diameter (mm)	1.62	Nominal Diameter (mm)	(W/O Foil 7.24 ± 0.1) (W/Foil 7.64 ± 0.2)
AWG (Stranding)	14		
Outer Shield		Inner Shield	
Material	Tinned Copper	Material	Aluminum Mylar Foil
Construction	24/4/0.15 ± 0.008mm	Construction	DS-Foil
picks/inches	11	Thickness	0.05
Coverage	63%	Coverage	100%
Jacket/Sheath		Nominal Capacity	
Material	PVC	pF/Ft	16.20 ± 3
Diameter	10.30 ± 0.1 mm	pF/m	52.80 ± 3
Color	Black	-	-
Nominal Velocity of Propagation		Nom. Impedance	
82 %		75 ± 3	

Nominal Attenuation		
Frequency (MHz)	dB/100'	dB/100m
1	0.17	0.60
10	0.50	1.60
50	1.00	3.30
100	1.35	4.40
200	1.62	5.35
400	2.30	7.50

700	3.35	11.00
900	4.00	13.12
1000	4.30	14.10

Electrical Properties				
Conductor Resistance	$\Omega/100M$			1.8
Dielectric Resistance	$M\Omega/M$			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			56.7 ± 3
VOP (1 MHz - 1000 MHz)	%			80.1 at 1GHz
VSWR (MHz)	%			1.025 at 1 GHz
Physical Property				
Insulation	Tensile Strength	Unaged	Psi	1066
		Aged	%	84
	Elongation	Unaged	%	102
		Aged	%	80
	Concentricity	-	%	91
	Strip Force	-	-	PASS
Jacket	Tensile Strength	Unaged	Psi	2333
		Aged	%	85
	Elongation	Unaged	%	257
		Aged	%	83
	Concentricity	-	%	94
	Strip Force	-	-	PASS
	Jacket Thickness	-	mm	0.93 ± 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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