



Construction:		OD (In.)
1) Conductor:	Solid Silver Plated Copper	0.051 +/- 0.001"
2) Dielectric:	PTFE Tape	0.145 +/-0.005"
3) Inner Braid:	Flat Silver Plated Copper 90% min. coverage	0.152 +/- 0.005"
4) Inner Shield:	Aluminum Polyester	0.158 +/- 0.005"
5) Outer Braid:	Round Silver Plated Copper 90% min. coverage	0.178 +/- 0.004"
6) Jacket:	Green Tint FEP	0.195 +/- 0.005"
Marker Tape:	"HARBOUR INDUSTRIES LL142"	

Physical Characteristics:	
1) Weight per 1000 ft:	44.0 lbs nom.
2) Minimum bend radius:	0.975 inches
3) Minimum continuous length:	50 ft
4) Operating temperature range:	-55C + 200 C
5) RoHS compliance:	Complies with RoHS (Directive 2002/95/EC)

Electrical Characteristics:			Test Method:
1) Impedance:	50.0	+/- 2 ohms	1) Test Points: 801
2) Capacitance:	25.0	pF/Ft nom.	2) IF Band Width: 35 KHz
3) Velocity of Propagation:	80.0%	nom.	3) Sweep Time: 6 Sec
4) VSWR (Max 400 MHz to 18 GHz):	1.35:1	(Gated)	4) Test Length: 10 ft
5) Attenuation (dB/100 ft):			5) Connector Type: Male SMA plug
	Freq. (GHz)	Typical Max.	6) Sampling Plan: Per Mil-STD-105
	0.40	4.7 5.2	7) k1= 0.231, k2= 0.0001785
	1.00	7.5 8.2	
	2.00	10.7 11.8	
	2.40	11.7 12.9	
	3.00	13.2 14.5	
	5.00	17.2 18.9	
	10.00	24.9 27.4	
	18.00	34.2 37.6	

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Approved By:	S. Dike			
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