



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Multiple Strands of Silver Plated Round Copper Wire (37x1.30)	9.00±0.10	.354±.040
2. Dielectric	Microporous PTFE Film	23.7±0.40	.933±.016
3. Outer Conductor	Aluminum-Plastic Composite Film + Silver Plated Round Copper Wire	24.90±0.50	.98±.020
4. Jacket	TPU + Kevlar + TPU	29.50±0.50	1.16±.020

Electrical Characteristics

Impedance	50 ohm
Capacitance	83 PF/m
Velocity of Propagation	84%
Operation frequency	1 GHz

Mechanical Characteristics

Min.Bending Radius Static (mm)	150	5.9055
Weight(g/m)	1266	

Environmental Characteristics

Operating Temperature Range(°C)	-55~+125
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Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
30	0.963	0.29	27.06
40.68	1.124	0.34	23.09
100	1.78	0.54	14.34
300	3.135	0.96	7.86
500	4.512	1.38	5.89
1000	7.35	2.24	3.92