



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Stranded Silver Plated Copper	3.80	0.1496
2. Dielectric	Microporous Teflon Film	10.15	0.3996
3. Outer Conductor	Silver Plated Copper Tape	10.40	0.4094
4. Braid	Silver Plated Round Copper Wire	11.25	0.4429
5. Jacket	FEP	12.20	0.4803

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	83%
Peak Power Rating	90KV
AC Operating voltage	600 V
Shielding Effectiveness	90 dB
Operating Frequency	8 GHz
Insulation Resistance	5000 MΩ

Mechanical Characteristics

Min.Bending Radius Static (mm)	60	2.3622
Min.Bending Radius Repeated(mm)	120	4.7244
Weight(g/m)	275	

Environmental Characteristics

Operating Temperature Range(°C)	-55~+165
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Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
100	4.52	1.38	16.00
300	7.89	2.41	9.00
400	9.13	2.78	7.20
500	10.24	3.12	6.50
1000	14.62	4.46	4.20
1250	16.41	5.01	3.90
2000	20.95	6.39	2.80
3000	25.92	7.91	2.30
4000	30.19	9.21	1.90
5800	36.82	11.23	1.20
6000	37.50	11.44	1.45
8000	43.81	13.36	1.15