

Electrical Specification		
Capacitance, pF/m(ft)	76(23.2)	
Impedance, ohms	50 ± 1	
Velocity, percent	88	
Peak power rating, kW	205	
RF peak voltage, KV	4.3	
Insulating resistance, MW-km	>5000	
Cut-off frequency, (GHz)	3.7	
Insulation voltage, KV	10	
Inner Conductor DC Resistance, W/km	0.5	
Outer Conductor DC Resistance, W/km	0.45	
Jacket Spark, KV	10	
Shielding effectiveness, dB	>120	
VSWR (Return loss)	0.005~3GHz	≤ 1.15 (>=23dB)
	0.8~1.0GHz	≤ 1.10 (>=26dB)
	1.7~2.0GHz	≤ 1.10 (>=26dB)
	2.0~2.4GHz	≤ 1.10 (>=26dB)



General Specification		
Construction		
Inner conductor	Material Diameter, mm(in)	Smooth copper tube 13.1(0.52)
Dielectric	Material Diameter, mm(in)	Physical foam polyethylene 33.3(1.31)
Outer conductor	Material Diameter, mm(in)	Corrugated copper tube 36.0(1.42)
Jacket	Material Diameter, mm(in)	Black PE or low smoke halogen-free fire retardant 38.6(1.52)

Technical Specification			
Frequency MHz	Max. Attenuation dB/100ft	Max. Attenuation dB/100m	Power Rate kW
100	0.951	3.120	2.230
200	1.356	4.450	1.560
450	2.070	6.790	1.020
800	2.800	9.200	0.750
900	2.990	9.800	0.710
1000	3.160	10.370	0.670
1500	3.930	12.900	0.530
1800	4.340	14.250	0.480

Technical Specification			
Frequency MHz	Max. Attenuation dB/100ft	Max. Attenuation dB/100m	Power Rate kW
2000	4.600	15.100	0.460
2200	4.850	15.900	0.430
2400	5.090	16.700	0.420
2500	5.210	17.080	0.410
3000	5.760	18.900	0.370
Standard Testing Condition Attenuation : VSWR 1.0, Ambient Temperature 20°C Average Power Rate : VSWR 1.0, Ambient Temperature 40°C Inner Conductor Temperature 100°C, no solar radiation			