

Feeder Cable 1/2' Superflex

Electrical Specification		
Capacitance, pF/m(ft)	80(24.4)	
Impedance, ohms	50±2	
Velocity, percent	83	
Peak power rating, kW	19	
RF peak voltage, KV	1.13	
Insulating resistance, MW-km	>5000	
Cut-off frequency, (GHz)	12.5	
Insulation voltage, KV	2.5	
Inner Conductor DC Resistance, W/km	2.85	
Outer Conductor DC Resistance, W/km	3.5	
Jacket Spark, KV	5	
Shielding effectiveness, dB	>120	
VSWR (Return loss)	0.005~3GHz	≤ 1.10 (>=26dB)
	0.8~1.0GHz	≤ 1.10 (>=26dB)
	1.7~2.0GHz	≤ 1.10 (>=26dB)
	2.0~2.4GHz	≤ 1.15 (>=23dB)



General Specification		
Construction		
Inner conductor	Material Diameter, mm(in)	Copper-clad aluminum wire or copper 3.55(0.14)
Dielectric	Material Diameter, mm(in)	Physical foam polyethylene 8.7(0.34)
Outer conductor	Material Diameter, mm(in)	Helical copper tube 12.0(0.47)
Jacket	Material	Black PE or low smoke halogen-free fire retardant
	Diameter, mm(in)	13.4(0.53)

Technical Specification			
Frequency MHz	Max. Attenuation dB/100ft	Max. Attenuation dB/100m	Power Rate kW
100	0.980	3.220	3.030
200	1.420	4.650	2.110
450	2.190	7.200	1.370
800	3.010	9.860	1.000
900	3.220	10.560	0.940
1000	3.400	11.150	0.880
1500	4.210	13.800	0.700
1800	4.740	15.550	0.630

Technical Specification			
Frequency MHz	Max. Attenuation dB/100ft	Max. Attenuation dB/100m	Power Rate kW
2000	5.000	16.400	0.590
2200	5.290	17.350	0.560
1400	5.520	18.100	0.530
2500	5.640	18.500	0.520
3000	6.370	20.900	0.480
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			