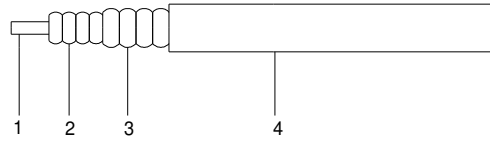


FAC-500



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Copper Clad Aluminum Wire	4.8	0.189
2. Dielectric	Foam PE	12.3	0.484
3. Outer Conductor	Corrugated Copper Tube	13.8	0.543
4. Jacket	PE	15.7	0.618

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	88%
Capacitance)	76pF/m 23pF/Ft
Inductance	0.19 μ H/m 0.058 μ H/ft
Peak Power Rating	40KW
DC Test voltage	4000V
Insulation Resistance	>5000M Ω .km
Cutoff frequency	8.8 GHz
Insulation Voltage	6KV
Inner Conductor DC Resistance	1.48 Ω /km
Outer Conductor DC Resistance	1.9 Ω /km
Jacket Spark	8.0 Kv
Shielding Effectiveness	120dB

Mechanical Characteristics

Min.Bending Radius Static (mm)	50	1.969
Min.Bending Radius Repeated(mm)	125	4.921
Tensile Strength(kg)	110	
Weight(g/m)	185	

Environmental Characteristics

Operating Temperature Range($^{\circ}$ C)	-55~+85
Installation Temp.($^{\circ}$ C)	-25~+60
Storage Temperature Range($^{\circ}$ C)	-55~+85

Attenuation & Average Power @ 20 $^{\circ}$ C and Seal Leave

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
100	2.15	0.66	3.94
200	3.08	0.94	2.75
450	4.70	1.43	1.8
800	6.35	1.94	1.33
900	6.75	2.06	1.25
1000	7.20	2.20	1.18
1500	9.05	2.76	0.95
1800	9.90	3.02	0.86
2000	10.50	3.20	0.81
2200	11.10	3.39	0.77
2400	11.60	3.54	0.75
2500	11.95	3.64	0.73
3000	13.20	4.03	0.65