



FEEDER COAXIAL CABLE

● 7/8" FOAM DIELECTRIC FEEDERCOAXIAL CABLE (ALUMINUM)

Structure Dimension

Item	Diameter	Material
Inner Conductor	9.4 mm	Copper tube
Insulator	22.4 mm	Foamed polyethylene
Outer Conductor	25.2 mm	Annular corrugated aluminum tube
Jacket	28.0 mm	Polyethylene

Mechanical Characteristics

Item	Specification	Remarks
Static Minimum Bending Radius	120 mm	Single bend
Dynamic Minimum Bending Radius	250 mm	Repeat for 15 times
Tensile Strength	1400 N	
Cable Weight	400kg/km	

Electrical Characteristics

Item	Specification	Remarks
Characteristic Impedance	50±1Ω	
Velocity	89%	Nominal value
Maximum Insulation Resistance	5000MΩ.km	DC 500V 1 minute
Capacitance	76pF/m	Nominal value
Dielectric Strength	DC10000V	1 minute
Inner Conductor DC Resistance	1.35Ω/km	At 20℃
Outer Conductor DC Resistance	1.60Ω/km	At 20℃
Peak Power Rating	90KW	
RF Peak Voltage	3000V	
VSWR Typical Value	1.15	10M-3000MHz
	1.10	800M-2400MHz

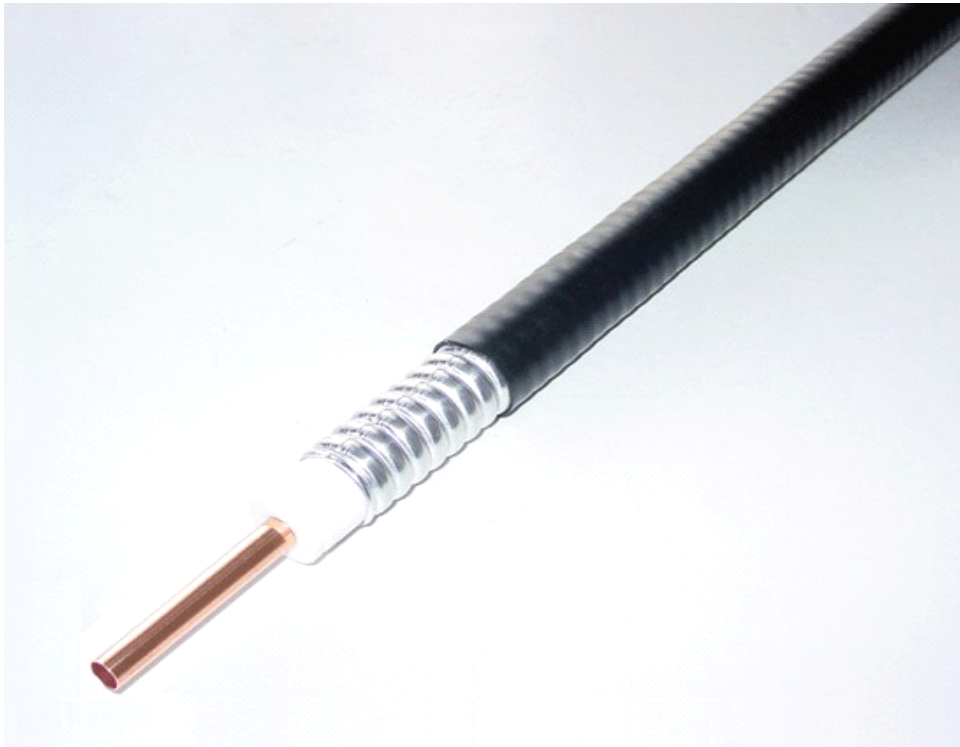


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Attenuation & Average Power Rating (dB/100m,KW)

Frequency MHz	Attenuation	Average power	Frequency MHz	Attenuation	Average Power
80	1.08	8.17	1800	5.66	1.46
150	1.50	5.89	2000	6.01	1.36
450	2.67	3.24	2200	6.34	1.29
900	3.86	2.20	2700	7.13	1.16
1000	4.09	2.07	3000	7.56	1.06
1500	5.12	1.62			



Product Picture