



**1. Figure**



**2. CONSTRUCTION MATERIALS**

Inner Conductor	Copper clad aluminum
Dielectric	Physical Foam Polyethylene
Outer Conductor	Corrugated Copper Tube
Jacket	Black PE

**3. PHYSICAL DIMENSIONS**

Inner Conductor Diameter	4.80mm±0.05mm
Dielectric Diameter	12.30 mm±0.15mm
Outer Conductor Diameter	13.80mm±0.15mm
Diameter Over Jacket	15.80 mm±0.20mm

**4. MECHANICAL SPECIFICATIONS**

Single Bending	70mm
Repeated Bending	125mm
Tensile Strength	1100

**5. ENVIRONMENTAL SPECIFICATION**

Installation Temperature	-40℃~+60℃
Operating Temperature	-50℃~+85℃

**6. ELECTRICAL SPECIFICATION**

Impedance	50 ± 1 Ω
Capacitance	76.0 (pF/m)
Velocity	88%
DC Voltage	90 V
Insulation Resistance	5000M Ω •km
Peak Power Rating	40 kw
RF Peak Voltage	1800 V
Cut-off Frequency	8.8GHz
VSWR	
800MHz~1000MHz	1, 10
1700MHz~2500MHz	1, 13
2500MHz~3000MHz	1, 15

**7. PERFORMANCE**

Frequency MHz	Attenuation		Average Kw
	dB/100m	dB/100ft	
150	2, 70	0, 84	2, 45
450	4, 75	1, 44	1, 59
800	6, 46	1, 96	1, 17
900	6, 80	2, 06	1, 10
1800	10, 10	3, 06	0, 75
2000	10, 72	3, 25	0, 71
2100	10, 80	3, 27	0, 67
2200	11, 97	3, 63	0, 64
2500	12, 13	3, 68	0, 62
2600	12, 20	3, 70	0, 60
3000	13, 41	4, 06	0, 57

Standard Conditions:

For attenuation: VSWR 1.0, cable temperature 20℃ (68°F)

For average power: VSWR 1.0, ambient temperature 40℃ (104°F),  
Inner conductor temperature 100℃ (212°F). No solar loading.

Maximum attenuation value shall be 103% off the nominal attenuation value.