



1. Figure



2. CONSTRUCTION MATERIALS

Inner Conductor	Smooth tubes
Dielectric	Physical Foam Polyethylene
Outer Conductor	Corrugated Copper Tube
Jacket	BluckPE or Low Smoke Halogen-free Fire-retardant PE

3. PHYSICAL DIMENSIONS

Inner Conductor Diameter	9.0mm±0.10mm
Dielectric Diameter	22.70 mm±0.20mm
Outer Conductor Diameter	24.90mm±0.25mm
Diameter Over Jacket	27.50 mm±0.25mm

4. MECHANICAL SPECIFICATIONS

Single Bending	120mm
Repeated Bending	250mm
Tensile Strength	1400
Cable weight	450 (kg/km)

5. ENVIRONMENTAL SPECIFICATION

Storage Temperature	-70°C~+85°C
Installation Temperature	-40°C~+60°C
Operating Temperature	-55°C~+85°C

6. ELECTRICAL SPECIFICATION

Impedance	50±2.0Ω
Capacitance	76.0 (pF/m)
Velocity	88%
DC Voltage	10.0kV
Insulation Resistance	> 1×10 ⁴
Peak Power Rating	90
RF Peak Voltage	3200
Cut-off Frequency	5.20
VSWR	
800MHz~1000MHz	1.2
1700MHz~2500MHz	1.2
2500MHz~2700MHz	1.2

7. PERFORMANCE

Frequency (MHz)	Attenuation (@20°C , d B/100m)	Average (kw)
200	1.72	5.26
450	2.65	3.41
800	3.63	2.48
900	3.88	2.34
1000	4.12	2.19
1500	5.18	1.74
1800	5.75	1.57
2000	6.11	1.48
2200	6.46	1.40
2500	6.95	1.30
3000	7.76	1.16