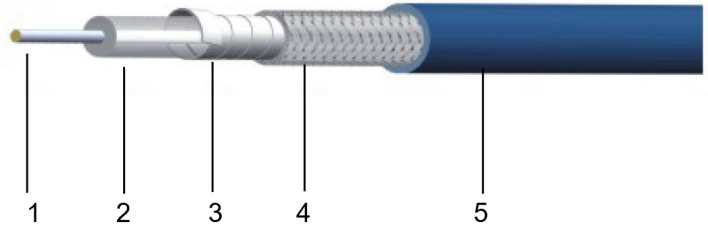


# Microwave Micro-Coaxial Cable 047

## Features&Benefits

- 70%Vp PTFE Tape+SPC Foil
- Multi-layer protection, excellent stability
- Equivalent to



## Construction Specification

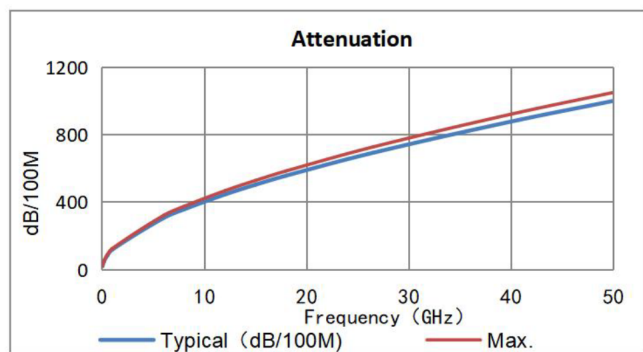
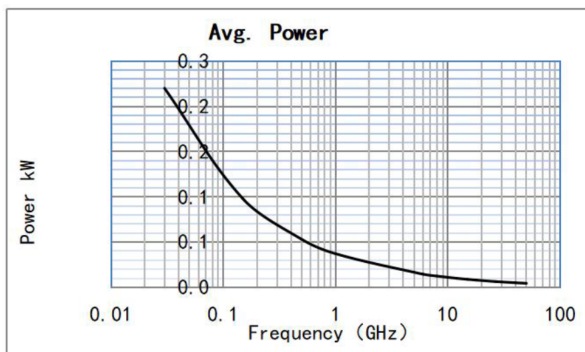
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.29	±0.02	Silver Plated Copper
2	Dielectric	0.94	±0.05	Extruded PTFE
3	Outer conductor	1.11	±0.05	Silver Plated Copper Foil
4	Outer shield	1.29	±0.10	Silver Plated Copper
5	Jacket	1.60	±0.10	FEP Blue or customize

## Mechanical&Environmental Specifications

Bend Radius:installation (mm)	6
Bend Radius:repeated (mm)	16
Weight (g/m)	7
Temp, Operating&Installation (°C)	-55~165
Temp, Storage (°C)	-65~165

## Electrical Specifications

Operation Frequency (GHz)	18.0	Bending phase	±8°@18GHz
Impedance (Ohms)	50	Mech. phase	±0.25dB @18GHz
Velocity of Propagation(%)	70		
Shielding Effectiveness (dB)	≥90		
Voltage Withstand (V,DC)	500		



## Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	30	150	500	1000	6000	8000	12000	15000	18000	26500	40000	50000
dB/100 m	20.2	45.5	83.9	119.6	305.8	356.9	445.0	503.2	556.9	692.4	877.3	999.7
Avg.Power kW	0.220	0.098	0.053	0.037	0.015	0.012	0.010	0.009	0.008	0.006	0.005	0.004
	K1= 3.6704016						K2= 0.0035795					

Calculate Attenuation =  $K1 \cdot \sqrt{FMHz} + K2 \cdot FMHz$

Maximum attenuation is 10% higher.