

RFSGL047

Ultra Low Loss Phase Stable Semi Rigid Cable

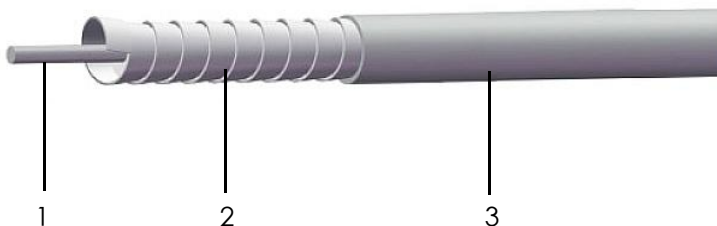
Ver A1 Release Date Match, 2018



P/N: 16047

Features&Benefits

- 76%Vp LD PTFE+Copper Tube Shield
- Ultra Low Loss,Excellent Stable To Temperature
- Replace to UT-047-TP-LL



Construction Specification

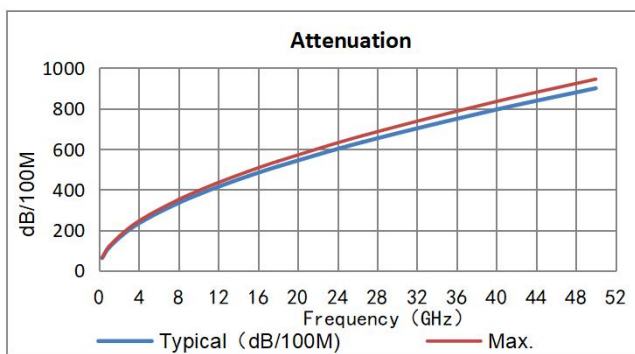
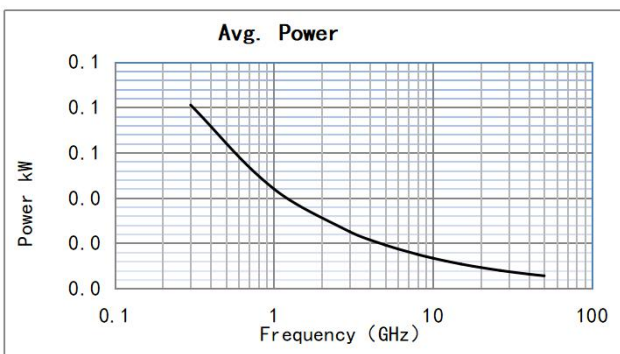
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.31	±0.02	Silver Plated Copper
2	Dielectric	0.94	±0.03	LD PTFE
3	Outer conductor	1.19	±0.05	Bare Copper Tube Tinned Copper Tube Tinn&Zinc Copper Tube

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	4
Bend Radius:repeated (mm)	15
Weight (g/m)	6
Temp, Operating&Installation (°C)	-65~250
Cutoff Frequency(GHz)	109

Electrical Specifications

Operation Frequency (GHz)	50.0
Impedance (Ohms)	50
Velocity of Propagation(%)	76
Shielding Effectiveness (dB)	≥165
Voltage Withstand (V,DC)	300



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

Frequency MHz	300	1000	3000	5000	8000	10000	12000	15000	18000	26500	40000	50000
dB/100 m	62.0	114.2	200.5	261.2	334.1	375.8	413.9	466.2	514.0	633.7	794.6	899.8
Avg.Power kW	0.081	0.044	0.025	0.019	0.015	0.013	0.012	0.011	0.010	0.008	0.006	0.006
K1=	3.5422442					K2=	0.0021545					

Calculate Attenuation= $K1 * \sqrt{F} + K2 * F$

Maximum attenuation is 10% higher.

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