

## RFS-047-50

High performance 50ohm semi flexible coaxial cable

Ver A/0 Release Date Match, 2015



P/N: 304750

### Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, Semi Flexible High shield effectiveness
- Equivalent to UT-047-FORM
- Replace to PE-SR047FL  
Flexiform 047



### Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.29	±0.01	Silver Plated Copper Clad Steel
2	Dielectric	0.94	±0.05	Extruded PTFE
3	Outer conductor	1.19	±0.05	Soaked Tinned Copper Shield

### Mechanical&Environmental Specifications

Bend Radius:installation (mm)	4
Bend Radius:repeated (mm)	12
Weight (g/m)	7 max.
Temp, Operating&Installation (°C)	-65~165
Temp, Storage (°C)	-65~165

### RoHS

RoHS Compliant

### Electrical Specifications

Characteristic Impedance(ohm)	50±2	Time delay	4.7
Capacitance(pF/m)	98	Max Working Power(Vrms)	1500
Velocity ratio(%)	70	Shielding Effectiveness(dB)	≥100
Cutoff frequency(GHz)	108	Shields Coverage(%)	≥100

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

Frequency MHz	500	1000	2000	3000	5000	8000	10000	15000	18000
dB/100 m	83.0	124.0	178.0	221.0	296.0	383.0	431.0	543.0	603.0
Avg.Power KW	0.046	0.031	0.022	0.018	0.013	0.010	0.009	0.007	0.007

Maximum attenuation is 10% higher.

Defined by: Luke

Prepared by: Eric

Approved by: K.F. Lu

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Shenzhen RFcoms Technology Co.,LTD

Website: [www.rfcoms.com](http://www.rfcoms.com)

Tell: +86 13480725660 Fax:+86-755-28908582

Email: [luke@rfcoms.com](mailto:luke@rfcoms.com)

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