

## RFS-250-50

High performance 50ohm semi flexible coaxial cable

Ver A/0 Release Date Match, 2015



P/N: 325050

### Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, Semi Flexible High shield effectiveness
- Equivalent to UT-250-FORM
- Replace to PE-SR250FL  
Flexiform 250



### Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.65	±0.01	Silver Plated Copper
2	Dielectric	5.25	±0.05	Extruded PTFE
3	Outer conductor	6.20	±0.15	Soaked Tinned Copper Shield

### Mechanical&Environmental Specifications

Bend Radius:installation (mm)	35
Bend Radius:repeated (mm)	70
Weight (g/m)	130 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)	5000
Velocity ratio(%)	70	Shielding Effectiveness(dB)	≥100
Cutoff frequency(GHz)	19	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	16.0	24.0	37.0	48.0	65.0	87.0	99.0	127.0	142.0
Avg.Power KW	1.831	1.118	0.771	0.598	0.435	0.324	0.282	0.219	0.196

Maximum attenuation is 10% higher.

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Rev: A/0

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