

## RFSG-141-50

High performance 50ohm seimi rigid coaxial cable

Ver A/0 Release Date Match, 2015



P/N: 214150

### Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, High shield effectiveness
- Equivalent to UT-141
- Replace to PE-141SR



### Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.92	±0.01	Silver Plated Copper or Clad Steel
2	Dielectric	2.99	±0.05	Extruded PTFE
3	Outer conductor	3.56	±0.05	Bare Copper Tube Tinned Seamless annealed copper Zinc & Tinned plated copper

### Mechanical&Environmental Specifications

### RoHS

Bend Radius:installation (mm)	15	RoHS	Compliant
Bend Radius:repeated (mm)	36		
Weight (g/m)	50 max.		
Temp, Operating&Installation (°C)	-65~165		
Temp, Storage (°C)	-65~165		

### Electrical Specifications

Characteristic Impedance(ohm)	50±2	Time delay	4.7
Capacitance(pF/m)	98	Max Working Power(Vrms)	3000
Velocity ratio(%)	70	Shielding Effectiveness(dB)	>110
Cutoff frequency(GHz)	34		

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

Frequency MHz	0.5	1000	5000	10000	18000	26500
dB/100 m	24.9	37.1	90.6	136.5	195.5	250.0
Avg.Power CW	0.600	0.450	0.180	0.120	0.083	0.066

Maximum attenuation is 10% higher.

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