

# RFSG-141-100

High performance 100ohm seimi rigid coaxial cable

Ver A/0 Release Date Match, 2015



P/N: 2141100

## Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, High shield effectiveness
- Equivalent to UT-141-100
- Replace to PE-141SR-100



## Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.29	±0.01	Silver Plated Copper 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)	46 max.		
Temp, Operating&Installation (°C)	-65~165		
Temp, Storage (°C)	-65~165		

## Electrical Specifications

Characteristic Impedance(ohm)	100±2	Time delay	4.7
Capacitance(pF/m)	48.7	Max Working Power(Vrms)	2000
Velocity ratio(%)	70	Shielding Effectiveness(dB)	>110
Cutoff frequency(GHz)	40		

## 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	36.4	52.2	124.3	183.7	259.2	327.1
Avg.Power KW	0.332	0.232	0.989	0.068	0.048	0.039

Maximum attenuation is 10% higher.

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