

## RFSG-086-25

High performance 25ohm seimi rigid coaxial cable

Ver A/0 Release Date Match, 2015



P/N: 208625

### Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, High shield effectiveness
- Equivalent to UT-085-25
- Replace to PE-086SR-25



### Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.94	±0.01	Silver Plated Copper or Clad Steel
2	Dielectric	1.68	±0.05	Extruded PTFE
3	Outer conductor	2.2	±0.05	Bare Copper Tube Tinned Seamless annealed copper Zinc & Tinned plated copper

### Mechanical&Environmental Specifications

### RoHS

Bend Radius:installation (mm)	10	RoHS	Compliant
Bend Radius:repeated (mm)	22		
Weight (g/m)	23 max.		
Temp, Operating&Installation (°C)	-65~165		
Temp, Storage (°C)	-65~165		

### Electrical Specifications

Characteristic Impedance(ohm)	25±2	Time delay	4.7
Capacitance(pF/m)	195	Max Working Power(Vrms)	1000
Velocity ratio(%)	70	Shielding Effectiveness(dB)	>110
Max.operating frequency(GHz)	18		

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

Frequency MHz	0.5	1000	2000	3000	5000	10000	20000
dB/100 m	59.0	84.0	121.0	160.0	197.0	287.0	432.0
Avg.Power CW	0.195	0.128	0.090	0.065	0.056	0.036	0.025

Maximum attenuation is 10% higher.

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