

RFS-086-50

High performance 50ohm semi flexible coaxial cable

Ver A/0 Release Date Match, 2015



P/N: 308650

Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, Semi Flexible High shield effectiveness
- Equivalent to UT-085-FORM
- Replace to PE-SR085FL
Flexiform 085



Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.53	±0.01	Silver Plated Copper or Clad Steel
2	Dielectric	1.68	±0.05	Extruded PTFE
3	Outer conductor	2.17	±0.05	Soaked Tinned Copper Shield

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	6
Bend Radius:repeated (mm)	20
Weight (g/m)	18 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)	2000
Velocity ratio(%)	70	Shielding Effectiveness(dB)	>100
Cutoff frequency(GHz)	60	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	49.0	72.0	107.0	134.0	180.0	236.0	267.0	337.0	373.0
Avg.Power KW	0.338	0.219	0.142	0.110	0.080	0.060	0.052	0.040	0.036

Maximum attenuation is 10% higher.

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Rev: A/0

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