RFS-141-50

High performance 50ohm semi flexible coaxial cable

Ver A/0 Release Date Match, 2015

P/N: 314150

Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, Semi Flexible High shield effectivenes
- Equivalent to UT-141-FORM
- Replace to PE-SR141FL
  Flexiform 141

Construction Specification

	Description	Size（mm）	Tol.	Materials
1	Center conductor	0.94	±0.01	Silver Plated Copper or Clad Steel
2	Dielectric	2.98	±0.05	Extruded PTFE
3	Outer conductor	3.50	±0.10	Soaked Tinned Copper Shield

Mechanical&Environmental Specifications

Bend Radious:installation (mm)	18
Bend Radious:repeated (mm)	36
Weight (g/m)	47 max.
Temp, Operating&Installation (ºC)	-65～165
Temp, Storage (ºC)	-65～165

RoHS

RoHS	Compliant

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)	＞100
Cutoff frequency(GHz)	34	Shields Coverage(%)	≥100

Attenuation（Typical@25ºC&VSWR=1.0）&Power（VSWR=1.0;40ºC;Sea Level）

Frequency MHz	0.5	1000	2000	3000	5000	8000	10000	15000	18000
dB/100 m	27.0	41.0	62.0	78.0	105.0	139.0	158.0	200.0	222.0
Avg.Power KW	0.790	0.526	0.351	0.277	0.205	0.156	0.137	0.108	0.970

Maximum attenuation is 10% higher.

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