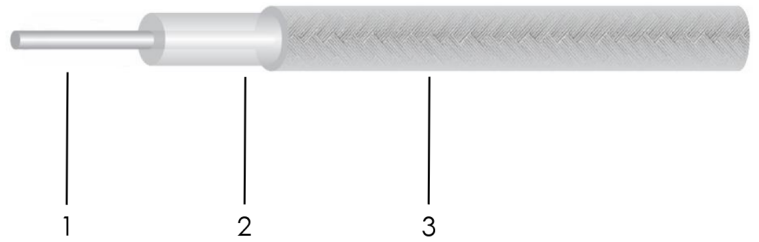


SUCOFORM_141 – Coaxial Cable RG-402

产品特点

- 70%Vp PTFE介质+浸锡铜丝编织
- 低损耗，半柔性，极佳的屏蔽性能
- 等同于
- 可替换

Flexiform 141



结构尺寸

结构	尺寸 (mm)	公差	材料
1 中心导体	0.94	±0.01	镀银铜包钢或镀银铜
2 电介质	2.98	±0.05	挤出PTFE
3 外导体	3.50	±0.15	浸锡铜丝编织

机械与环境性能

弯曲半径, 最小安装(mm)	18
弯曲半径, 重复弯曲(mm)	36
重量(g/m)	47 max.
温度范围, 安装与使用(°C)	-65~165
温度范围, 储存(°C)	-65~165

环保

RoHS 满足

电气性能

特性阻抗(ohm)	50±2	Time delay/延时(ns/m)	4.7
静电容(pF/m)	98	最大工作电压(Vrms)	3000
传输速率(%)	70	屏蔽性能(dB)	> 100
截止频率 (GHz)	34	编织密度(%)	≥ 100

衰减值 (典型值@25°C&VSWR=1.0) 与传输功率值 (典型值@40°C&一个标准大气压下)

频率 MHz	500	1000	2000	3000	5000	8000	10000	15000	18000
dB/100 ft	8.24	12.51	18.91	23.79	32.03	42.40	48.19	61.00	67.71
dB/100 m	27.0	41.0	62.0	78.0	105.0	139.0	158.0	200.0	222.0
平均功率 KW	0.790	0.526	0.351	0.277	0.205	0.156	0.137	0.108	0.970

最大衰减高出10%

RFS-141-50

High performance 50ohm semi flexible coaxial cable

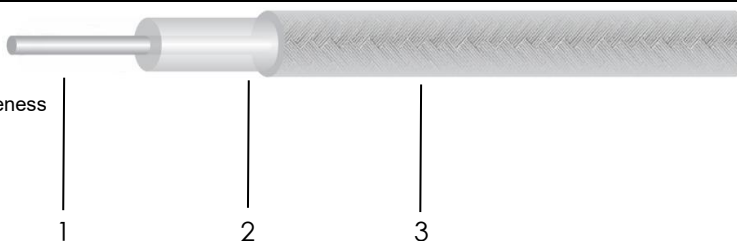
Ver A/0 Release Date Match, 2015



P/N: 314150

Features&Benefits

- 70%Vp PTFE+Tin Soaked Copper Braid
- Ultra-low loss,Semi Flexible High Shield Effectiveness
- 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	±0.15	Soaked Tinned Copper Shield

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	18
Bend Radius:repeated (mm)	36
Weight (g/m)	47 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)	3000
Velocity ratio(%)	70	Shielding Effectiveness(dB)	>100
Cutoff frequency(GHz)	34	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 ft	8.24	12.51	18.91	23.79	32.03	42.40	48.19	61.00	67.71
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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Rev: A/0

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