

## RG304

High performance 50ohm flexible coaxial cable

Ver A/0 Release Date Match, 2018



P/N: 3304

### Features&Benefits

- 70%Vp PTFE+ Single TPC Wire Braiding
- Low loss, Flexible, Low Cost
- Equivalent to SFF-50-5-1
- Replace to RG304



### Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	1.48	±0.01	Silver Plated Copper
2	Dielectric	4.60	±0.05	Extruded PTFE
3	Outer conductor	5.30	±0.05	Silver Plated Copper Shield
4	Jacket	6.40	±0.05	Fluorinated Ethylene Propylene(FEP) Brown or Transparent Color

### Mechanical&Environmental Specifications

Bend Radius:installation (mm)	37
Bend Radius:repeated (mm)	65
Weight (g/m)	98 max.
Temp, Operating&Installation (°C)	-55~200(FEP)
Temp, Storage (°C)	-55~200(FEP)

### RoHS

RoHS Compliant

### Electrical Specifications

Characteristic Impedance(ohm)	50±2	Time delay	4.7
Capacitance(pF/m)	100	Max Working Power(Vrms)	3000
Velocity ratio(%)	70	VSWR(DC~12.4GHz)	≤1.30
Max Working Freq.(GHz)	6	Shielding Effect(dB @1GHz)	> 60

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

Frequency MHz	500	1000	1800	2400	3000	5000	6000
dB/100 m	24.0	36.0	48.0	59.0	67.0	80.0	92.0
Avg.Power kW	1.308	0.820	0.780	0.581	0.418	0.292	0.260

Maximum attenuation is 10% higher.

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