

RG304L

High performance 50ohm flexible coaxial cable

Ver A/0 Release Date Match, 2018



P/N: 3304L

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	4.64	±0.05	AL Tape
4	Outer conductor	5.40	±0.05	Silver Plated Copper Shield
5	Jacket	6.40	±0.05	Fluorinated Ethylene Propylene(FEP) Brown or Transparent Color

Mechanical&Environmental Specifications

RoHS

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

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
Cutoff frequency(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	17.0	265.0	375.0	440.0	500.0	70.0	85.0
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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