

## RG407

High performance 50ohm flexible coaxial cable

Ver A/0 Release Date Match, 2018



P/N: 3047

### Features&Benefits

- 70%Vp PTFE+ Single TPC Wire Braiding
- Low loss, Flexible, Low Cost
- Equivalent to
- Replace to



### Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.29	±0.01	Silver Plated Copper Clad Steel
2	Dielectric	0.94	±0.05	Extruded PTFE
3	Outer conductor	1.12	±0.05	Silver Plated Copper Shield
4	Jacket	1.6	±0.15	Fluorinated Ethylene Propylene(FEP) Black or Customized

### Mechanical&Environmental Specifications

### RoHS

Bend Radius:installation (mm)	8	RoHS	Compliant
Bend Radius:repeated (mm)	16		
Weight (g/m)	8 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)	92	Max Working Power(Vrms)	1500
Velocity ratio(%)	70	VSWR(DC~6GHz)	≤1.35
Working frequency(GHz)	18	Shielding Effect(dB @1GHz)	>90

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

Frequency MHz	500	1000	2000	3000	5000	6000	10000	18000
dB/100 m	110.0	164.0	218.0	276.0	296.0	310.0	431.0	603.0
Avg.Power kW	0.046	0.031	0.022	0.018	0.013	0.010	0.009	0.007

Maximum attenuation is 10% higher.

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