

## RG179

High performance 75ohm flexible coaxial cable

Ver A/0 Release Date Match, 2018



P/N: 3179

### Features&Benefits

- 70%Vp PTFE+ Single TPC Wire Braiding
- Low loss, Flexible, Low Cost
- Equivalent to
- Replace to 0



### Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.306(7*0.102)	±0.01	Silver Plated Copper or Clad Steel
2	Dielectric	1.60	±0.05	Extruded PTFE
3	Outer conductor	2.04	±0.05	Silver Plated Copper Shield
4	Jacket	2.54	±0.15	Fluorinated Ethylene Propylene(FEP) Brown or Transparent Color

### Mechanical&Environmental Specifications

### RoHS

Bend Radius:installation (mm)	13	RoHS	Compliant
Bend Radius:repeated (mm)	25		
Weight (g/m)	17 max.		
Temp, Operating&Installation (°C)	-55~200(FEP)		
Temp, Storage (°C)	-55~200(FEP)		

### Electrical Specifications

Characteristic Impedance(ohm)	75±2	Time delay	4.7
Capacitance(pF/m)	68	Max Working Power(Vrms)	1500
Velocity ratio(%)	70	Shielding Effect(dB @1GHz)	>60
Max.operating frequency(GHz)	6		

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

Frequency MHz	100	400	900	1000	1800	2400	3000	6000
dB/100 m	31.0	57.0	86.0	91.0	123.0	142.0	160.0	228.0
Avg.Power kW	0.880	0.420	0.270	0.260	0.190	0.160	0.155	0.100

Maximum attenuation is 10% higher.

Defined by: Luke

Shenzhen RFcoms Technology Co.,LTD

Prepared by: Eric

Website: www.rfcoms.com

Approved by: K.F. Lu

Tell: +86 13480725660 Fax:+86-755-28908582

Rev: A/0

Email: luke@rfcoms.com

The rights of technical information provided on this sheet belongs to RFcoms. Contents cannot be distributed to other third-party companies without permission.The specifications are subjected to change without prior notice