

## RG142DS

High performance 75ohm flexible coaxial cable

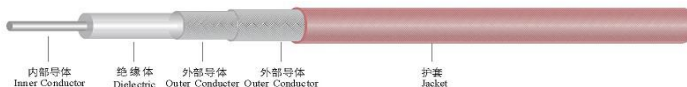
Ver A/0 Release Date Match, 2018



P/N: 314275

### Features&Benefits

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



### Construction Specification

	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.53	±0.01	Silver Plated Copper
2	Dielectric	2.98	±0.05	Extruded PTFE
3	Outer conductor	3.45	±0.05	Silver Plated Copper Shield
4	Outer conductor	3.95	±0.05	Silver Plated Copper Shield
5	Jacket	4.95	±0.15	Fluorinated Ethylene Propylene(FEP) Brown or Transparent Color

### Mechanical&Environmental Specifications

### RoHS

Bend Radius:installation (mm)	25	RoHS	Compliant
Bend Radius:repeated (mm)	50		
Weight (g/m)	63 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)	65	Max Working Power(Vrms)	1400
Velocity ratio(%)	70	Shielding Effect(dB @1GHz)	>70
Cutoff frequency(GHz)	38		

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

Frequency MHz	500	1000	2000	3000	5000	8000
dB/100 m	32.0	45.0	66.0	84.0	114.0	154.0
Avg.Power kW	0.620	0.390	0.260	0.200	0.140	0.102

Maximum attenuation is 10% higher.

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