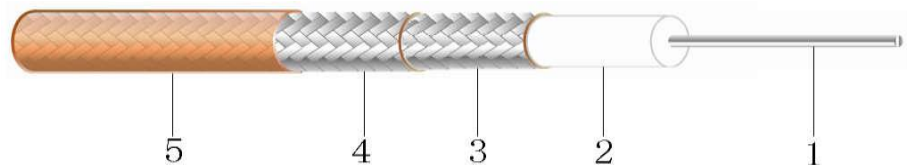


RG142 coax cable is a versatile 50-ohm coaxial cable used for all transmit-and-receive purposes.

RG142 cable is an excellent solution for a vast range of applications, specifically in the military and aerospace industries. It is widely used for radio frequency, telecommunications, interconnects, and signal transfer applications in systems such as GPS, medical systems, and RADAR.



Ordering Information

Item No.	RG-142
Series No.	S002

Mechanical Construction

Property	Material	Diameter(mm)
Inner conductor	Silver Covered Copper (SPC)	1/0.92±0.005 (φ0.92)
Dielectric	White PTFE	φ2.98±0.05
1st braiding	Silver Plated Copper (SPC), 112*0.12mm	7*16/0.11 (3.86)
2nd braiding	Silver Plated Copper (SPC), 112*0.12mm	/
Jacket	Brown FEP	φ4.95±0.08

Electrical Properties

Property	Value
Characteristics Impedance	50±3 Ω
Rated capacitance	98±5 pf/m
Velocity	70.00%
Max operating voltage	2500 VMS
Frequency range	DC - 12000 MHz

Attenuation

Frequency(MHz)	Attenuation(20°C, dB/100m)
100	14.00
400	28.00
1000	67.00
2000	108.00
3000	136.00
4000	166.00
5000	185.00
6000	210.00

Electrical Properties

Property	Value
Minimum bending radius	10 mm
Operating temperature	-55 ~ +265°C
ROHS	Compliant
