



# Caledonian

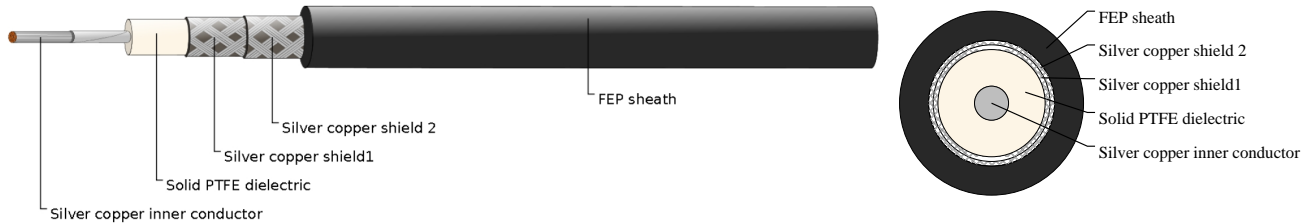
Coaxial Cables

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## M17/RG Coaxial-Cable MIL-C-17F 50Ohm

M17/60-RG142 (RG 142 B/U)



### Construction

Inner conductor	Silver plated copper clad steel(SCCS)	Φ0.94 mm
Dielectric	Solid PTFE	Φ2.95 ± 0.05mm
Outer conductor(shield 1)	Silver plated copper	112 x 0.13 mm
Shield coverage	/	96%
Outer conductor(shield 2)	Silver plated copper	112 x 0.13 mm
Shield coverage	/	96%
Outer sheath	FEP	Φ4.95 mm

### Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	95.4 pF/m
Velocity of propagation	70%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	63.3 Ohm/Km
Outer conductor resistance	7.5 Ohm/Km
Operating temperature range	-55 °C - +200 °C
Test/Operatig Voltage(max)	5KV/1.9KV
Copper Weight	47 Kg/Km
Cable weight (approx.)	80 Kg/Km
Screening effectiveness	100-900 MHz >60dB

### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	12.8	3.9
200	17.7	5.4
400	25.9	7.9



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700	35.1	10.7
900	40.4	12.32
1000	43	13.11
2000	63.3	19.3
3000	79.4	24.21
5000	107	32.62
8000	141.7	43.2

## Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>22dB