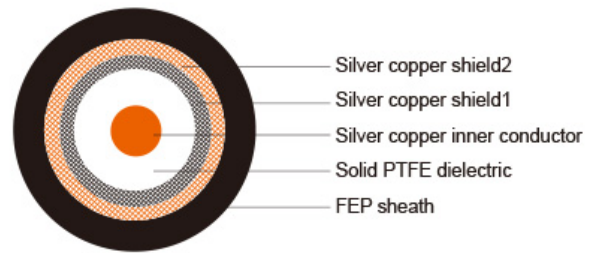


M17/60-RG142 (RG 142 B/U)



Construction

Inner conductor	Silver plated copper clad steel	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%
Sheath	FEP	Φ4.95 mm

Electrical & Mechanical Characteristics

Impedance	53±3 Ohm0	
Nominal capacitance	95.4pF/m	
Velocity of propagation	70%	
Insulation resistance	>2000 Mohm.Km	
Inner conductor resistance	63.3 Ohm/Km	
Outer conductor resistance	7.5 Ohm/Km	
Test/Operatig Voltage(max)	5.0KV/1.9KV	
Operating temperature range	-55 °C - +200 °C	
Copper Weight	47.0 Kg/Km	
Cable weight (approx.)	80.0 Kg/Km	
Screening effectiveness	100-900 MHz	>60dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
100	12.8	3.90
200	17.7	5.4
400	25.9	7.9
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