



Caledonian

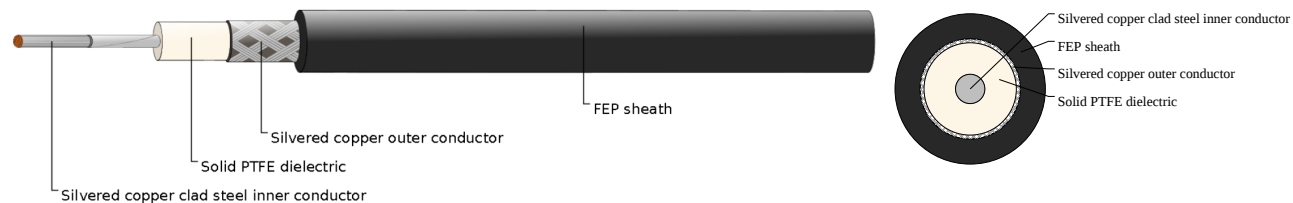
Coaxial Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

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

M17/111-RG303 (RG303/U)



Construction

Inner conductor	Silver plated copper clad steel(SCCS)	Φ0.94 mm
Dielectric	PTFE	Φ2.95
Outer conductor(shield)	Silver plated copper	112 x 0.13 mm
Shield coverage	/	95%
Outer sheath	FEP	Φ4.32 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	94 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	45 Kg/Km
Cable weight (approx.)	75Kg/Km
Screening effectiveness	60dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	8.9	2.71
100	12.8	3.9
200	18.4	5.61
400	25.9	7.87
700	36.1	11.01



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900	41	12.5
1000	43.3	13.51
1500	52.3	15.95
2000	61.4	18.72
3000	82	25

Return Loss

30-300 MHz	>31dB
300-600 MHz	>26dB
600-900 MHz	>23dB