



Caledonian

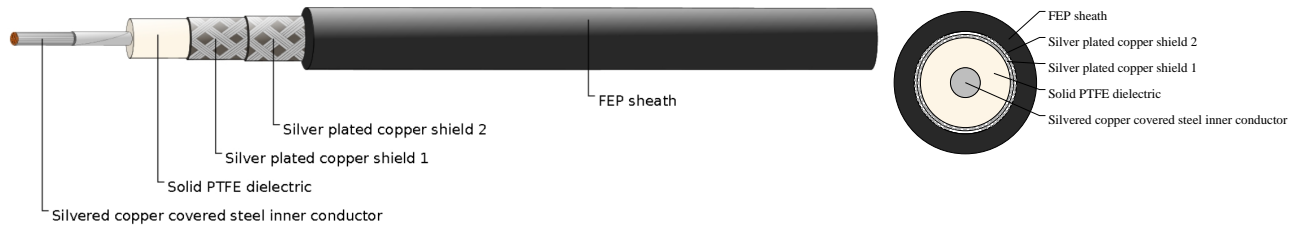
Coaxial Cables

www.caledonian-cables.com

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

M17/112-RG304 (RG 304/U)



Construction

Inner conductor	Silver plated copper covered steel(SCCS)	Φ1.50 mm
Dielectric	Solid PTFE	Φ4.75 mm
Outer conductor(shield 1)	Silver plated copper	144 x 0.16 mm
Shield coverage	/	95%
Outer conductor(shield 2)	Silver plated copper	144 x 0.16 mm
Shield coverage	/	95%
Outer sheath	FEP	Φ7.10 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	96.5 pF/m
Velocity of propagation	70%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	36.2 Ohm/Km
Outer conductor resistance	4.3 Ohm/Km
Operating temperature range	-55 °C - +200 °C
Test/Operatig Voltage(max)	5KV/3KV
Cable weight (approx.)	130 Kg/Km
Screening effectiveness	80dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	5.6	1.71
100	8.5	2.59
200	13.5	4.12
400	18	5.49



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700	24.9	7.59
900	27.9	8.51
1000	30.2	9.21
3000	56.8	17.32
5000	77.1	23.51
8000	114.8	35

Return Loss

30-300 MHz	>31dB
300-600 MHz	>27dB
600-900 MHz	>24dB