



Caledonian

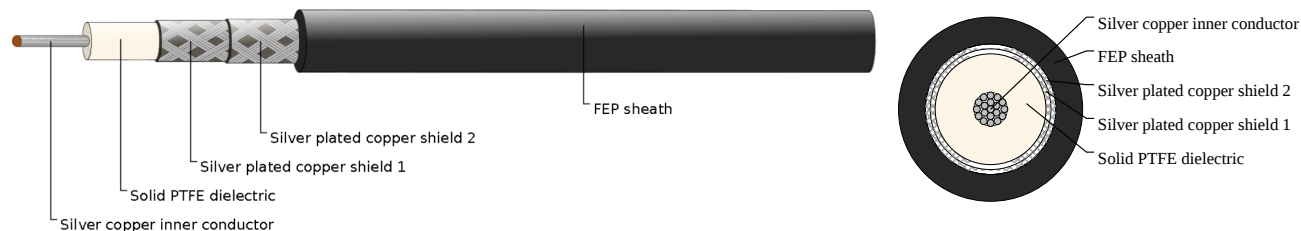
Coaxial Cables

www.caledonian-cables.com

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

M17/128-RG400 (RG 400/U)



Construction

Inner conductor	Silver plated copper	19 x 0.20 mm
Dielectric	Solid PTFE	$\Phi 2.95 \pm 0.05$ mm
Outer conductor(shield 1)	Silver plated copper	112 x 0.13 mm
Shield coverage	/	95%
Outer conductor(shield 2)	Silver plated copper	112 x 0.13 mm
Shield coverage	/	94%
Outer sheath	FEP	$\Phi 4.90 \pm 0.13$ mm

Electrical Mechanical Characteristics

Impedance	50 $\pm$ 3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	70%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	12.6Ohm/Km
Outer conductor resistance	7.5 Ohm/Km
Operating temperature range	-55 °C - +200 °C
Test/Operatig Voltage(max)	5KV/1.9KV
Copper weight	46 Kg/Km
Cable weight (approx.)	64 Kg/Km
Screening effectiveness	80dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	8.5	2.59
100	12.5	3.81
200	17.7	5.4



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400	25.9	7.9
900	40.4	12.32
1000	43	13.11
2000	63.6	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	>25dB
600-900 MHz	>22dB