



Caledonian

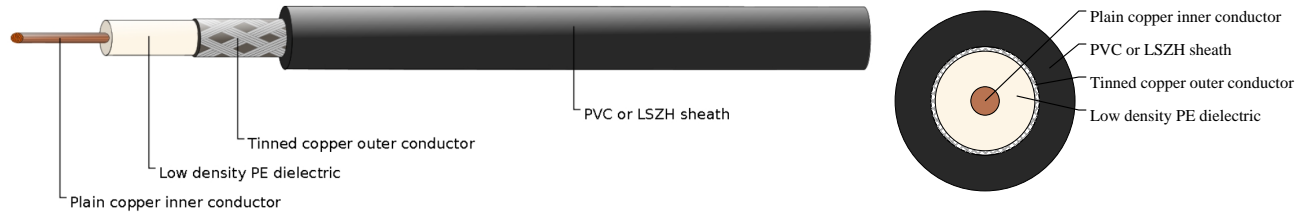
Coaxial Cables

www.caledonian-cables.com

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

RG 58/U



Construction

Inner conductor	Plain copper	$\Phi 0.80 \pm 0.025$ mm
Dielectric	Low density PE	$\Phi 2.95 \pm 0.10$ mm
Outer conductor	Tinned copper	112 x 0.13 mm
Shield coverage	/	95%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	53±3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	35 Ohm/Km
Outer conductor resistance	16.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Test/Operatig Voltage(max)	5KV/2KV
Copper Weight	18.7 Kg/Km
Cable weight (approx.)	39.9 Kg/Km
Screening effectiveness	100-900 MHz >55dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	9.1	2.77
100	13.1	3.99
200	19.4	5.91
400	28.4	8.66
500	32.2	9.82
600	35.7	10.88



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860	44.8	13.66
1000	49	14.94

Return Loss

30-300 MHz	>26dB
300-600 MHz	>25dB
600-900 MHz	>24dB