



Caledonian

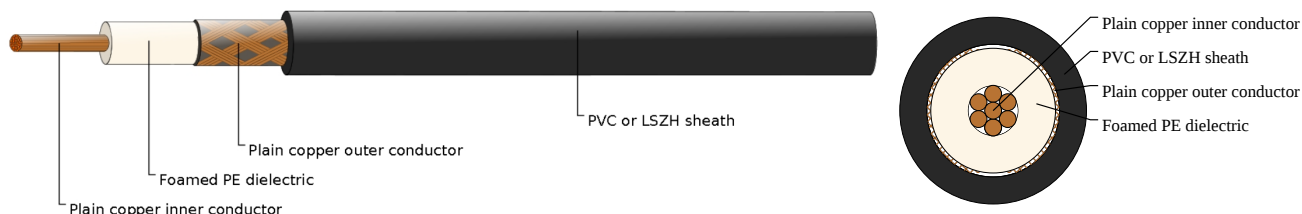
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable RG Type Low Loss 50Ohm

RF 58 LL



Construction

Inner conductor	Plain copper	7 x 0.50 mm
Dielectric	Foam PE	$\Phi 3.80 \pm 0.10$ mm
Outer conductor(shield)	Plain copper	144 x 0.12 mm
Shield coverage	/	94%
Outer sheath	PVC or LSZH	$\Phi 5.40 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	50 $\pm$ 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	14 Ohm/Km
Outer conductor resistance	11 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	28 Kg/Km
Cable weight (approx.)	45.9 Kg/Km
Screening effectiveness	>55 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	7	2.13
100	10.2	3.11
400	21.2	6.46
600	26.3	8.02
860	32.2	9.82
1000	35.1	10.7
1750	48	14.63



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2400	58.2	17.74
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Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>22dB