



Caledonian

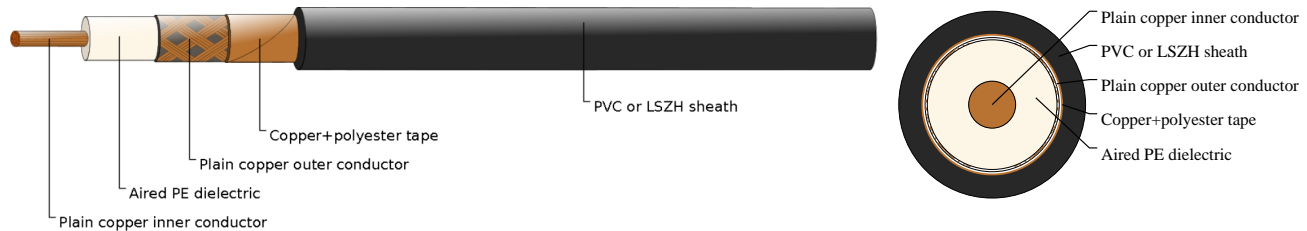
Coaxial Cables

www.caledonian-cables.com

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

RH 100



Construction

Inner conductor	Plain copper	2.5 mm
Dielectric	Aired PE	$\Phi 6.90 \pm 0.20$ mm
Outer conductor (shield 1)	Copper + polyester tape	/
Shield coverage	/	100%
Outer conductor (shield 2)	Plain copper	96 x 0.12 mm
Shield coverage	/	50%
Outer sheath	PVC or LSZH	$\Phi 9.70 \pm 0.20$ mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.7 Ohm/Km
Outer conductor resistance	12.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	61 Kg/Km
Cable weight (approx.)	128.4 Kg/Km
Screening effectiveness	>75 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	2.5	0.76
100	3.6	1.1
400	7.9	2.41
600	10.1	3.08



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860	12.1	3.69
1000	13.2	4.02
1750	18.7	5.7
2400	22.2	6.77

Return Loss

30-300 MHz	>25dB
300-600 MHz	>22dB
600-900 MHz	>18dB