



Caledonian

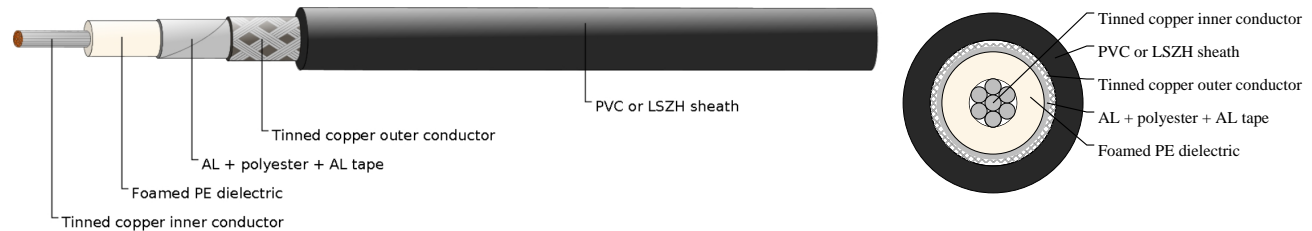
Coaxial Cables

www.caledonian-cables.com

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

RF 50 LTA



Construction

Inner conductor	Tinned copper	7 x 0.25 mm
Dielectric	Foam PE	$\Phi 2.00 \pm 0.10$ mm
Outer conductor(shield 1)	Aluminium + polyester + Aluminium tape	/
Shield coverage	/	100%
Outer conductor(shield 2)	Tinned copper	48 x 0.12 mm
Shield coverage	/	64%
Outer sheath	PVC or LSZH	$\Phi 3.60 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	75%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	32.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	8.2Kg/Km
Cable weight (approx.)	18.3 Kg/Km
Screening effectiveness	>75 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	13	3.96
100	17.3	5.27
400	35	10.67
600	43.3	13.2



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860	52.7	16.07
1000	57.2	17.44
1750	76.7	23.38
2400	94	28.66

Return Loss

30-300 MHz	>24dB
300-600 MHz	>21dB
600-900 MHz	>15dB