



Caledonian

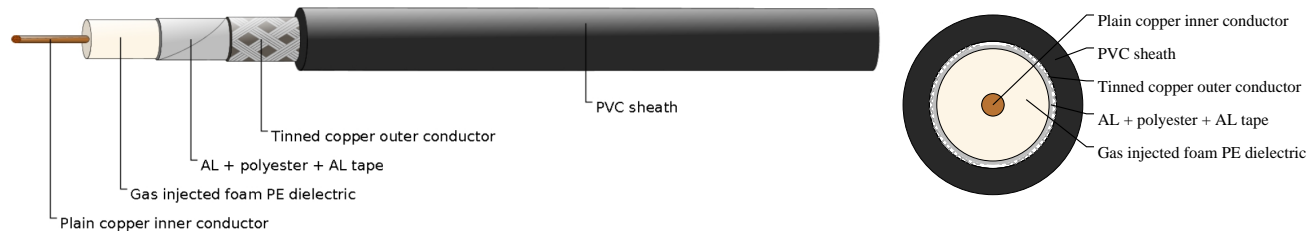
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable Broadcast 75Ohm

SLS 28810



Construction

Inner conductor	Plain copper	0.6 mm
Dielectric	Gas injected foam PE	$\Phi 2.80 \pm 0.10$ mm
Outer conductor(shield 1)	Aluminium + polyester + Aluminium tape	/
Shield coverage	/	100%
Outer conductor(shield 2)	Tinned copper	128 x 0.10 mm
Shield coverage	/	90%
Outer sheath	PVC	$\Phi 4.70 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	62 Ohm/Km
Outer conductor resistance	17.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	12.2Kg/Km
Cable weight (approx.)	30.5 Kg/Km
Screening effectiveness	>85 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	7.3	2.23
230	14.7	4.48
470	21.4	6.52
860	30	9.15



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1000	32.9	10.03
1350	38.2	11.65
1500	41.1	12.53
1750	44.1	13.45
2150	49.7	15.15
2400	53.6	16.34

Return Loss

30-470 MHz	>32dB
470-860 MHz	>27dB
860-2400 MHz	>21dB