



Caledonian

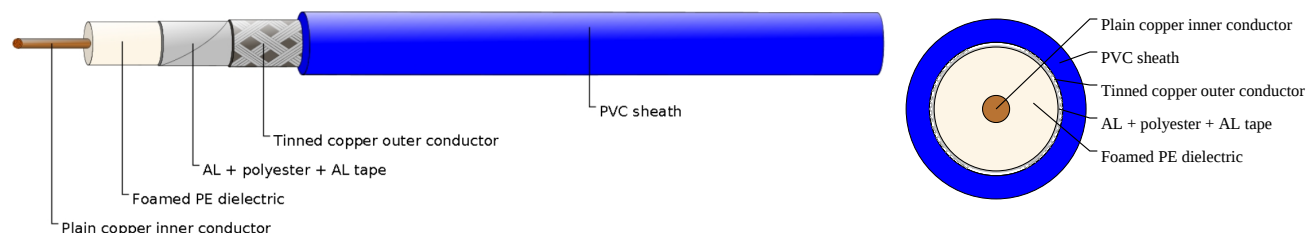
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable Broadcast 75Ohm

SLS 64955



Construction

Inner conductor	Plain copper	1.40 mm
Dielectric	Foam PE	$\Phi 6.4 \pm 0.10$ mm
Outer conductor(shield 1)	Aluminium + polyester + Aluminium tape	/
Shield coverage	/	100%
Outer conductor(shield 2)	Tinned copper	192 x 0.15 mm
Shield coverage	/	95%
Outer sheath	PVC	$\Phi 9.20 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	75 $\pm$ 5 Ohm
Nominal capacitance	53 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	11.5 Ohm/Km
Outer conductor resistance	5.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	49.2 Kg/Km
Cable weight (approx.)	109.2Kg/Km
Screening effectiveness	>84 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	3.4	1.04
200	7.4	2.26
470	10.7	3.26
860	14.8	4.51



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1000	16.3	4.97
1350	19.4	5.91
1500	20.8	6.34
1750	22.5	6.86
2150	25.3	7.71
2400	27	8.23

Return Loss

30-470 MHz	>29dB
470-860 MHz	>27dB
860-2400 MHz	>23dB