



Caledonian

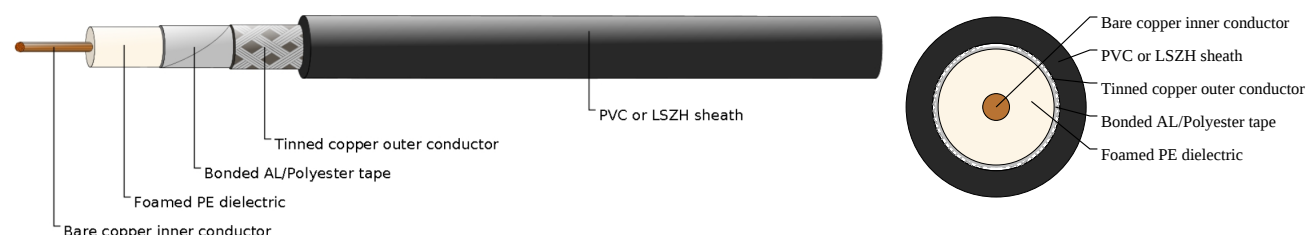
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable RG Type 75Ohm

RG 6/U4



Construction

Inner conductor	Bare copper	$\Phi 1.02$ mm
Dielectric	Foam PE	$\Phi 4.6 \pm 0.20$ mm
Tape shield(shield 1)	Aluminium foil	/
Shield coverage	/	100%
Outer conductor(shield2)	Tinned copper	64×0.12 mm
Shield coverage	/	60%
Outer sheath	PVC or LSZH	$\Phi 6.80 \pm 0.20$ mm

Electrical Mechanical Characteristics

Impedance	75 ± 5 Ohm
Nominal capacitance	53 pF/m
Velocity of propagation	83%
Insulation resistance	> 5000 Mohm.Km
Inner conductor resistance	23.1 Ohm/Km
Outer conductor resistance	28 Ohm/Km
Operating temperature range	-30 °C - $+70$ °C
Cable weight (approx.)	46 Kg/Km

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	4.5	1.4
100	6.2	1.9
200	8.9	2.7
500	15.1	4.6
600	16.8	5.1
800	19	5.8



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1000	21.5	6.6
1350	24.9	7.6
1750	28.3	8.6
2150	31.1	9.5
2400	33.3	10.1