



Caledonian

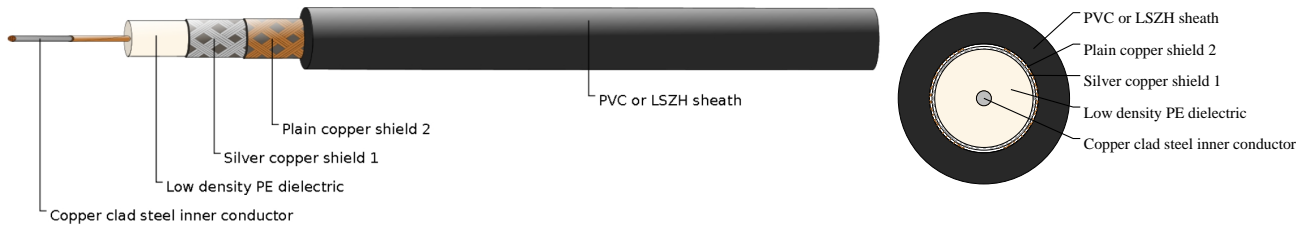
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable MIL-C-17F 75Ohm

RG 6 AX



Construction

Inner conductor	Copper clad steel(CCS)	$\Phi 0.72 \pm 0.025$ mm
Dielectric	Low density PE	$\Phi 4.70 \pm 0.10$ mm
Outer conductor(shield 1)	Silver plated copper	168 x 0.13 mm
Shield coverage	/	97%
Outer conductor(shield 2)	Plain copper	168 x 0.13 mm
Shield coverage	/	95%
Outer sheath	PVC or LSZH	$\Phi 8.50 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	106 Ohm/Km
Outer conductor resistance	5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	50.5 Kg/Km
Cable weight (approx.)	112.4 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	5.8	1.77
100	8.5	2.59
200	12.5	3.81
400	18	5.49



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500	20.3	6.19
600	22.6	6.89
860	27.5	8.38
1000	30.4	9.27

Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>22dB