



Caledonian

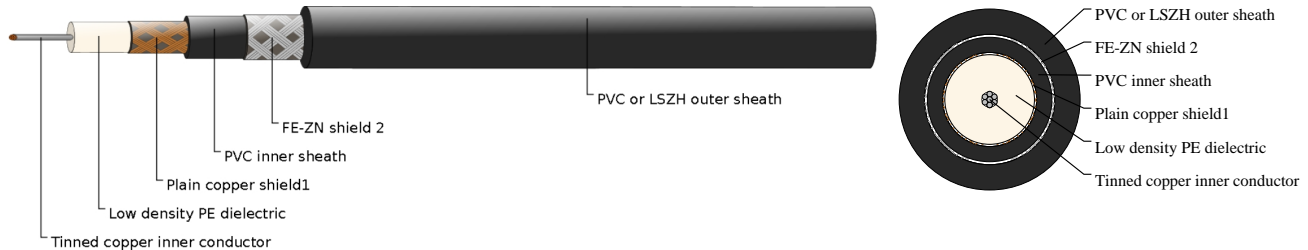
Coaxial Cables

www.caledonian-cables.com

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

M17/6-RG 12 (RG12A/U)



Construction

Inner conductor	Tinned copper	7 x 0.40 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.18$ mm
Outer conductor(shield1)	Plain copper	192 x 0.18 mm
Shield coverage	/	97%
Inner sheath	PVC	$\Phi 10.3 \pm 0.18$ mm
Outer conductor(shield 2)	Zinc-plated steel wire(FE-ZN)	144 x 0.24 mm
Shield coverage	/	85%
Outer sheath	PVC or LSZH	$\Phi 14.30 \pm 0.20$ 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	20.5 Ohm/Km
Outer conductor resistance	4.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Test/Operatig Voltage(max)	8KV/5KV
Copper weight	57 Kg/Km
Cable weight (approx.)	298.5 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	4.2	1.28
100	6.2	1.89



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200	9.3	2.84
400	13.8	4.21
500	15.5	4.73
600	17.1	5.21
860	20.1	6.13
1000	23.4	7.13

Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>25dB