



Caledonian

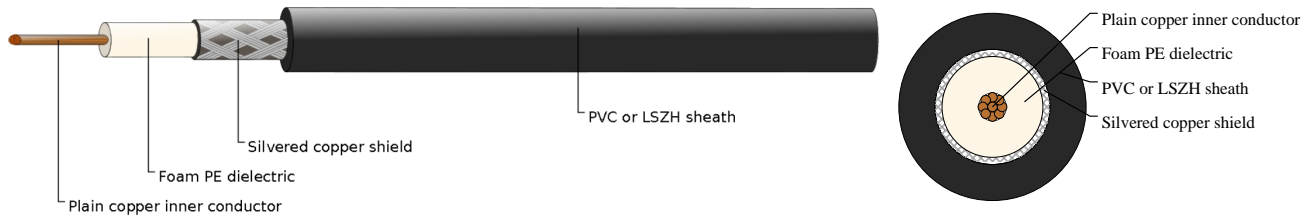
Coaxial Cables

www.caledonian-cables.com

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

RG 175 AF



Construction

Inner conductor	Plain copper	9 x 0.10 mm
Dielectric	Foam PE	$\Phi 1.50 \pm 0.08$ mm
Outer conductor(shield)	Silver plated copper	72 x 0.10 mm
Shield coverage	/	90%
Outer sheath	PVC or LSZH	$\Phi 2.80 \pm 0.13$ mm

Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	250 Ohm/Km
Outer conductor resistance	35 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	5.85 Kg/Km
Cable weight (approx.)	12.95 Kg/Km
Screening effectiveness	>50 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	19.2	2.165.85
100	27.9	8.51
200	40.7	12.41
400	59.2	18.05
500	67.5	20.58
600	72.6	22.13
860	91.1	27.77



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1000	101	30.79
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Return Loss

30-300 MHz	>20dB
300-600 MHz	>20dB
600-900 MHz	>20dB