



**Caledonian**

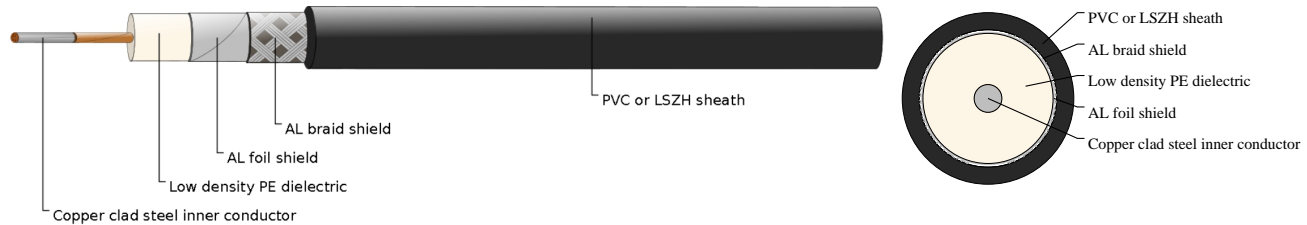
Coaxial Cables

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

RG 11



### Construction

Inner conductor	Copper clad steel(CCS)	1.63 mm
Dielectric	Low density PE	$\Phi 7.2 \pm 0.2$ mm
Tape shield	Aluminum foil	/
Shield coverage	/	100%
Outer conductor (shield)	Aluminum wire	96 x 0.12 mm
Shield coverage	/	60%
Outer sheath	PVC or LSZH	$\Phi 10.3 \pm 0.18$ mm
Messenger(optional)	Galvanized steel	1.83mm / 2.77mm

### Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	53 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	13.5 Ohm/Km
Outer conductor resistance	24.1 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Cable weight (approx.)	116.4 -140.4Kg/Km

### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	3.1	0.95
100	4.2	1.28
250	6.8	2.07
300	7.5	2.29
350	7.9	2.41



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400	8.5	2.59
450	9.1	2.77
500	9.5	2.9
550	10.1	3.08
600	10.5	3.2
750	12.1	3.69
860	13.2	4.02