



**Caledonian**

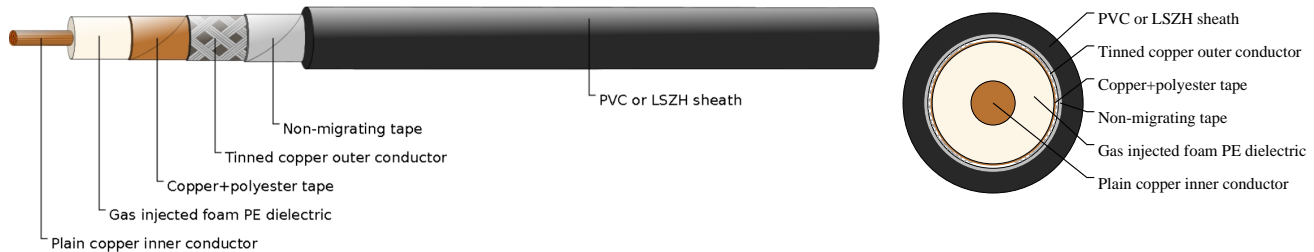
Coaxial Cables

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## M17/RG Coaxial-Cable RG Type Low Loss 50Ohm

RF 400 LTA



### Construction

Inner conductor	Plain copper	2.62 mm
Dielectric	Gas injected foam PE	$\Phi 7.20 \pm 0.10$ mm
Outer conductor (shield 1)	Copper + polyester tape	/
Shield coverage	/	100%
Outer conductor(shield 2)	Tinned copper	128 x 0.15 mm
Shield coverage	/	70%
Tape	Non-migrating tape	h.27mm
Outer sheath	PVC or LSZH	$\Phi 10.30 \pm 0.18$ mm

### Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.72Ohm/Km
Outer conductor resistance	7.5 Ohm/Km
Operating temperature range	-40 °C - +75 °C
Copper weight	71 Kg/Km
Cable weight (approx.)	122.1 Kg/Km
Screening effectiveness	>85 dB

### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	2.5	0.76
100	3.6	1.1
400	7.9	2.41



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600	10.1	3.08
860	12.1	3.69
1000	13.2	4.02
1750	18.7	5.7
2400	22.2	6.77

## Return Loss

30-300 MHz	>29dB
300-600 MHz	>26dB
600-900 MHz	>24dB