



# Caledonian

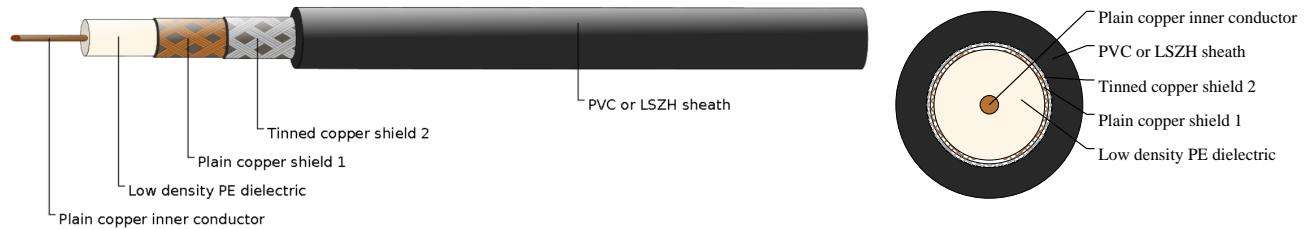
Coaxial Cables

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

### RG 59 DS



### Construction

Inner conductor	Plain copper	0.6 mm
Dielectric	Low density PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor(shield 1)	Plain copper	120 x 0.12 mm
Shield coverage	/	86%
Outer conductor(shield 2)	Tinned copper	Shield coverage
/	86%	Outer sheath
PVC or LSZH	$\Phi 6.10 \pm 0.10$ mm	50

### Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	62 Ohm/Km
Outer conductor resistance	8.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	29.9 Kg/Km
Cable weight (approx.)	59.8 Kg/Km
Screening effectiveness	>70 dB

### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	7.2	2.2
100	10.5	3.2
200	15.5	4.73
400	22.3	6.8



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500	25.1	7.65
600	28	8.54
860	33.9	10.34
1000	37	11.28

## Return Loss

30-300 MHz	>31dB
300-600 MHz	>28dB
600-900 MHz	>24dB