



Caledonian

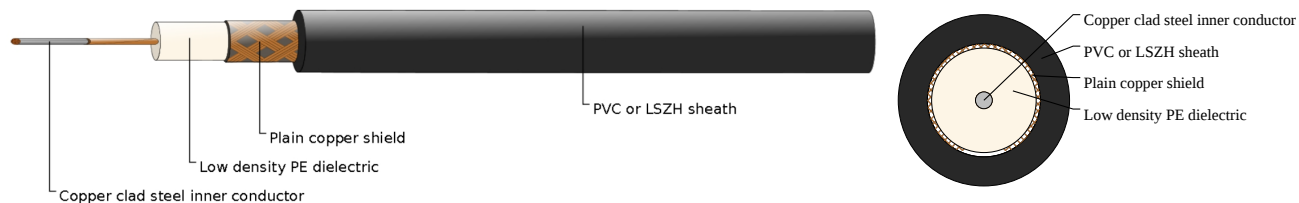
Coaxial Cables

www.caledonian-cables.com

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

M17/29-RG 59 (RG 59 B/U)



Construction

Inner conductor	Copper clad steel(CCS)	$\Phi 0.58 \pm 0.03$ mm
Dielectric	Low density PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor(shield)	Plain copper	120 x 0.15 mm
Shield coverage	/	95%
Outer sheath	PVC or LSZH	$\Phi 6.20 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	75 $\pm$ 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	158 Ohm/Km
Outer conductor resistance	9 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Test/Operatig Voltage(max)	5KV/3.5KV
Copper weight	22.4 Kg/Km
Cable weight (approx.)	55.8 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	7.4	2.26
100	10.7	3.26
200	15.7	4.79
400	22.7	6.92
500	25.7	7.84
600	28.7	8.75



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860	34.8	10.61
1000	38	11.59

Return Loss

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