



Caledonian

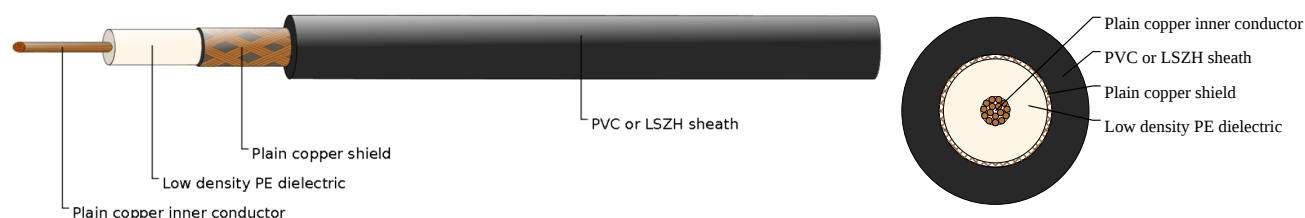
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable RG Type 50Ohm

RG 58 ER



Construction

Inner conductor	Plain copper	16 x 0.18 mm
Dielectric	Low density PE	$\Phi 2.85 \pm 0.10$ mm
Outer conductor(shield)	Plain copper	80 x 0.12 mm
Shield coverage	/	79%
Outer sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	50 $\pm$ 3 Ohm
Nominal capacitance	100 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	44 Ohm/Km
Outer conductor resistance	24 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	12.4 Kg/Km
Cable weight (approx.)	34.4 Kg/Km
Screening effectiveness	>50 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	9.8	2.99
100	14.1	4.3
200	20.6	6.28
400	30.4	9.27
500	34.8	10.61
600	38.7	11.8



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860	47.9	14.6
1000	52.8	16.1

Return Loss

30-300 MHz	>26dB
300-600 MHz	>25dB
600-900 MHz	>22dB