



Caledonian

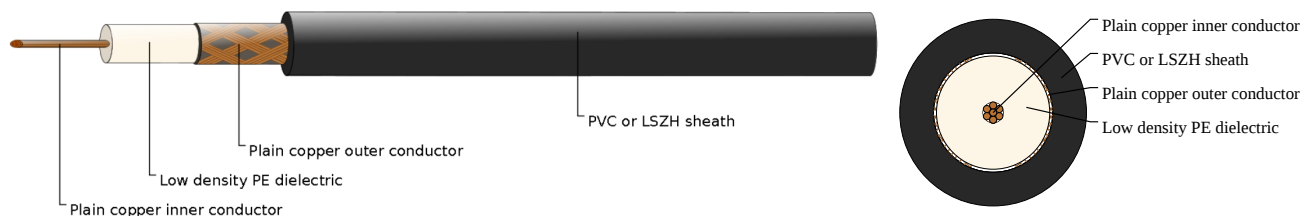
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable Broadcast 75Ohm

RG 59 FX



Construction

Inner conductor	Plain copper	7 x 0.2 mm
Dielectric	Low density PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor(shield)	Plain copper	160 x 0.10 mm
Shield coverage	/	92%
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	82 Ohm/Km
Outer conductor resistance	15 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	14 Kg/Km
Cable weight (approx.)	49.4 Kg/Km
Screening effectiveness	>55 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	7.9	2.41
100	11.5	3.51
200	16.8	5.12
400	24.1	7.35
500	27.3	8.32
600	30.4	9.27



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860	36.8	11.22
1000	40.1	12.23

Return Loss

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