



Caledonian

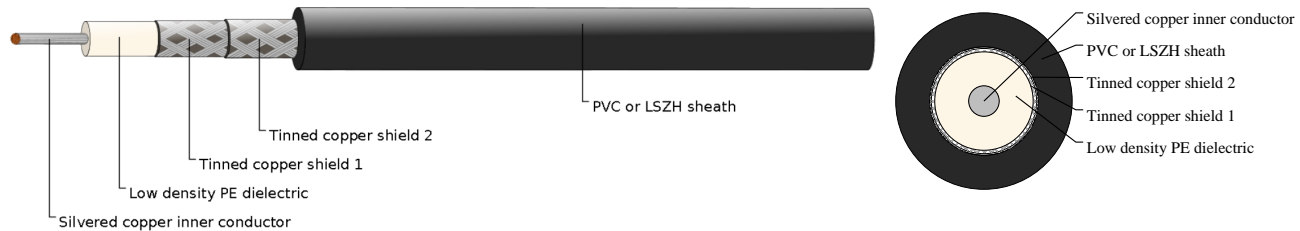
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable RG Type 500hm

RG 223 RK



Construction

Inner conductor	Silver plated copper	0.9 mm
Dielectric	Low density PE	$\Phi 2.95 \pm 0.10$ mm
Outer conductor(shield 1)	Tinned copper	112 x 0.1 mm
Shield coverage	/	85%
Outer conductor(shield)	Tinned copper	112 x 0.1 mm
Shield coverage	/	80%
Outer sheath	PVC or LSZH	$\Phi 5.40 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	100 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	28 Ohm/Km
Outer conductor resistance	11 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	22.7 Kg/Km
Cable weight (approx.)	46.3 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	9	2.74
100	13	3.96
200	19.3	5.88
400	28.1	8.57



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500	31.9	9.73
600	35.3	10.76
860	43.8	13.35
1000	48.5	14.79

Return Loss

30-300 MHz	>32dB
300-600 MHz	>28dB
600-900 MHz	>23dB