



Caledonian

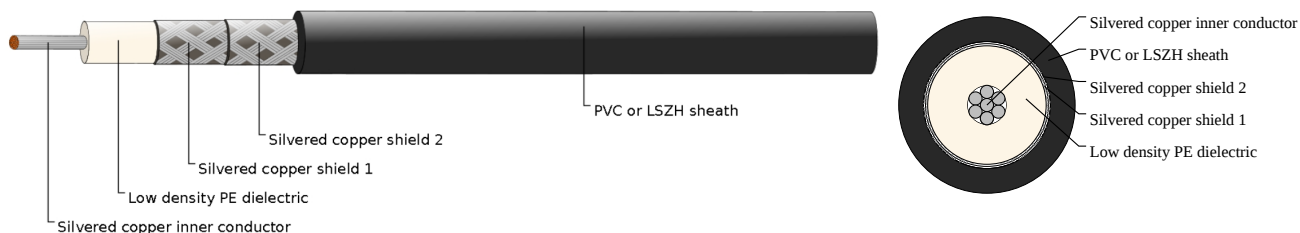
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable RG Type 500hm

RG 214 PK



Construction

Inner conductor	Silver plated copper	7 x 0.75 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.08$ mm
Outer conductor(shield 1)	Silver plated copper	168 x 0.13 mm
Shield coverage	/	79%
Outer conductor(shield)	Silver plated copper	168 x 0.13 mm
Shield coverage	/	76%
Outer sheath	PVC or LSZH	$\Phi 10.8 \pm 0.18$ 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	6 Ohm/Km
Outer conductor resistance	3.8 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	75.2 Kg/Km
Cable weight (approx.)	167.6 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	4.8	1.46
100	7.2	2.2
200	10.5	3.2
400	15.4	4.7



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500	17.6	5.37
600	19.5	5.95
860	24.2	7.38
1000	26.5	8.08

Return Loss

30-300 MHz	>30dB
300-600 MHz	>29dB
600-900 MHz	>27dB