



Caledonian

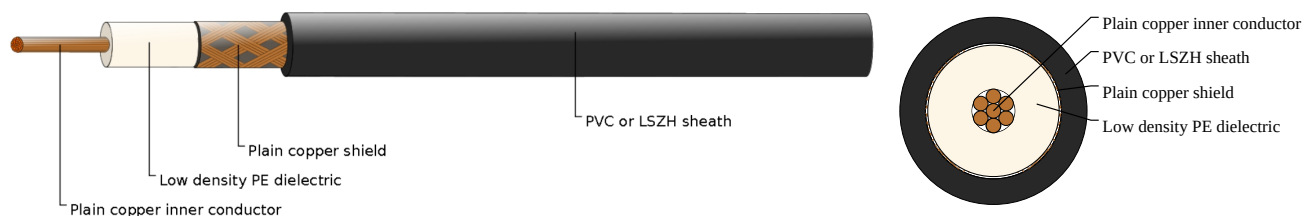
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable RG Type 50Ohm

RG 213 TY



Construction

Inner conductor	Plain copper	7 x 0.75 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.08$ mm
Outer conductor(shield)	Plain copper	240 x 0.13 mm
Shield coverage	/	93%
Outer sheath	PVC or LSZH	$\Phi 10.3 \pm 0.18$ 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	5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	59.9 Kg/Km
Cable weight (approx.)	149.7 Kg/Km
Screening effectiveness	>55 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	4.5	1.37
100	6.8	2.07
200	10	3.05
400	14.5	4.42
500	16.4	5
600	18.1	5.52
860	22.5	6.86



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1000	24.7	7.53
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Return Loss

30-300 MHz	>31dB
300-600 MHz	>28dB
600-900 MHz	>27dB