



Caledonian

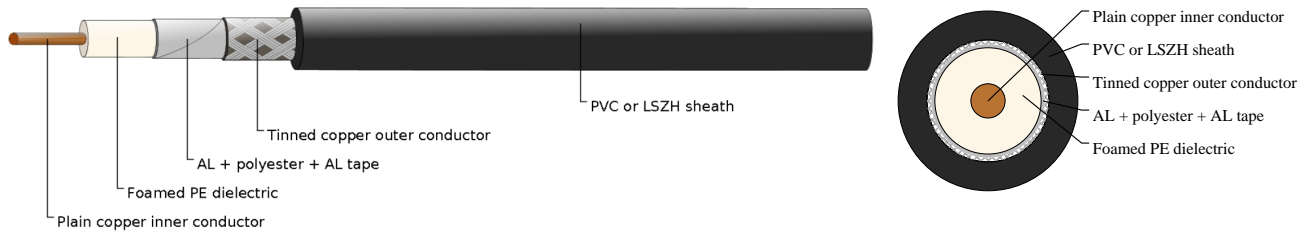
Coaxial Cables

www.caledonian-cables.com

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M17/RG Coaxial-Cable RG Type Low Loss 50Ohm

RF 195 LTA



Construction

Inner conductor	Plain copper	0.95 mm
Dielectric	Foam PE	$\Phi 2.80 \pm 0.10$ mm
Outer conductor(shield 1)	Aluminium + polyester + Aluminium tape	/
Shield coverage	/	100%
Outer conductor(shield 2)	Tinned copper	96 x 0.12 mm
Shield coverage	/	85%
Outer sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	25.2 Ohm/Km
Outer conductor resistance	18.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	16.6 Kg/Km
Cable weight (approx.)	36.6 Kg/Km
Screening effectiveness	>80 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	8.5	2.59
100	11.3	3.45
400	22.9	6.98



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600	28.7	8.75
860	34.5	10.52
1000	37.5	11.43
1750	52.2	15.91
2400	64	19.51

Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>19dB