



**Caledonian**

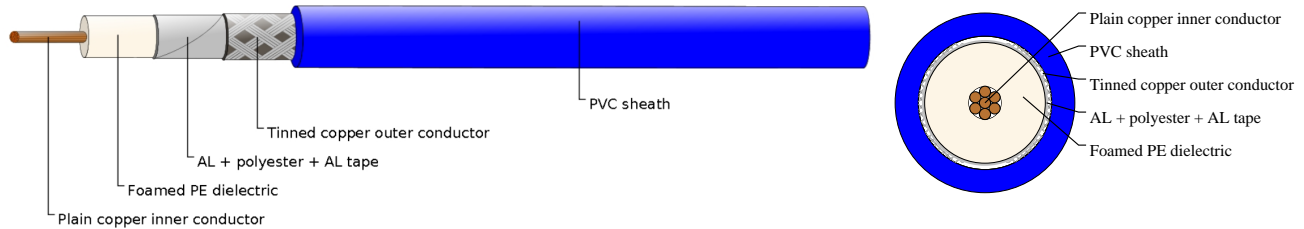
Coaxial Cables

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## M17/RG Coaxial-Cable Broadcast 75Ohm

SLS 50755



### Construction

Inner conductor	Plain copper	7 x 0.40 mm
Dielectric	Foam PE	$\Phi 4.95 \pm 0.10$ mm
Outer conductor(shield 1)	Aluminium + polyester + Aluminium tape	/
Shield coverage	/	100%
Outer conductor(shield 2)	Tinned copper	96 x 0.15 mm
Shield coverage	/	71%
Outer sheath	Blue PVC	$\Phi 7.00 \pm 0.10$ mm

### Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	53 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	13.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	24.6 Kg/Km
Cable weight (approx.)	56.25 Kg/Km
Screening effectiveness	>85 dB

### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	4.4	1.34
230	9.5	2.9
470	13.7	4.18
860	19.2	5.85



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1000	21	6.4
1350	24.7	7.53
1500	26.6	8.11
1750	28.7	8.75
2150	32.4	9.88
2400	34.7	10.58

## Return Loss

30-470 MHz	>30dB
470-860 MHz	>26dB
860-2400 MHz	>22dB