

Broadcast Coaxial Cables

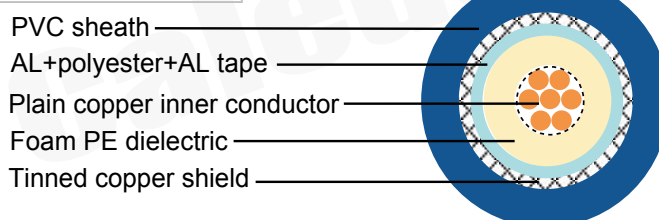
CAL 70

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%
Sheath	Blue PVC	$\Phi 7.00 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 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	2.90
470	13.7	4.18
860	19.2	5.85
1000	21.0	6.40
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