

Broadcast Coaxial Cables

CAL 92

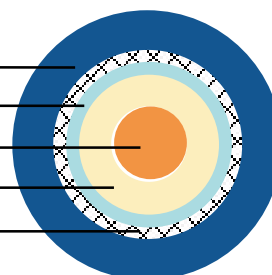
Construction

Inner conductor	Plain copper	1.40 mm
Dielectric	Foam PE	$\Phi 6.4 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	192 x 0.15 mm
Shield coverage		95%
Sheath	PVC	$\Phi 9.20 \pm 0.10$ 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	11.5 Ohm/Km
Outer conductor resistance	5.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	49.2 Kg/Km
Cable weight (approx.)	109.2 Kg/Km
Screening effectiveness	>84 dB

PVC sheath
 AL+polyester+AL tape
 Plain copper inner conductor
 Foamed PE dielectric
 Tinned copper shield



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	3.4	1.04
200	7.4	2.26
470	10.7	3.26
860	14.8	4.51
1000	16.3	4.97
1350	19.4	5.91
1500	20.8	6.34
1750	22.5	6.86
2150	25.3	7.71
2400	27.0	8.23

Return Loss

30-470 MHz	>29dB
470-860 MHz	>27dB
860-2400 MHz	>23dB