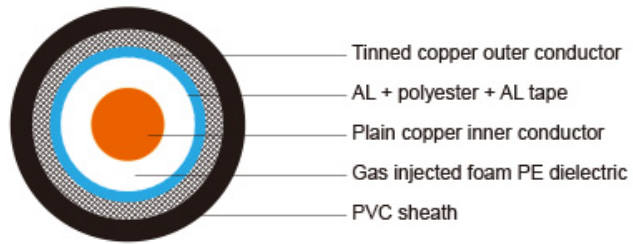


CAL 47



Construction

Inner conductor	Plain copper	0.6 mm
Dielectric	Gas injected foam PE	$\Phi 2.80 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium+polyester+Al tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	128 x 0.10 mm
Shield coverage		90%
Sheath	PVC or LSZH	$\Phi 4.70 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	62 Ohm/Km
Outer conductor resistance	17.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	12.2 Kg/Km
Cable weight (approx.)	30.5 Kg/Km
Screening effectiveness	>85 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
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50	7.3	2.23
230	14.7	4.48
470	21.4	6.52
860	30	9.15
1000	32.9	10.03
1350	38.2	11.65
1500	41.1	12.53
1750	44.1	13.45
2150	49.7	15.15
2400	53.6	16.34

Return Loss

30-300 MHz	>32dB
300-600 MHz	>27dB
600-900 MHz	>21 dB