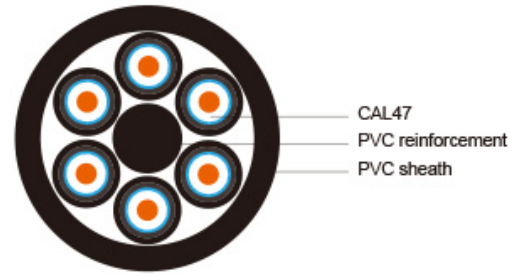


## 5 X CAL 47



## Construction

<b>Inner conductor</b>	Plain copper	0.6 mm
<b>Dielectric</b>	Gas injected foam PE	$\Phi 2.80 \pm 0.10$ mm
<b>Outer conductor (shield 1)</b>	Aluminium + polyester + Aluminium tape	
<b>Shield coverage</b>		100%
<b>Outer conductor (shield 2)</b>	Tinned copper	128 x 0.10 mm
<b>Shield coverage</b>		90%
<b>Individual sheath</b>	PVC	$\Phi 4.50 \pm 0.10$ mm
<b>Overall sheath</b>	PVC	$\Phi 14.20 \pm 0.40$ mm
<b>Reinforcement</b>	PVC	

## Electrical &amp; Mechanical Characteristics

<b>Impedance</b>	75 $\pm$ 5 Ohm
<b>Nominal capacitance</b>	56 pF/m
<b>Velocity of propagation</b>	80%
<b>Insulation resistance</b>	>5000 Mohm.Km
<b>Inner conductor resistance</b>	62 Ohm/Km
<b>Outer conductor resistance</b>	17.5 Ohm/Km
<b>Operating temperature range</b>	-25 °C - +80 °C
<b>Copper weight</b>	61.0 Kg/Km
<b>Cable weight (approx.)</b>	192.7 Kg/Km

## Screening effectiveness

&gt;85 dB

## Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.8	2.38
200	15.1	4.6
470	23.5	7.16
860	32.7	9.97
1000	35.6	10.85
1350	41.7	12.71
1500	44.8	13.66
1750	48	14.63
2150	54.2	16.52
2400	57.8	17.62

## Return Loss

30-300 MHz

&gt;32dB

300-600 MHz

&gt;27dB

600-900 MHz

&gt;23 dB