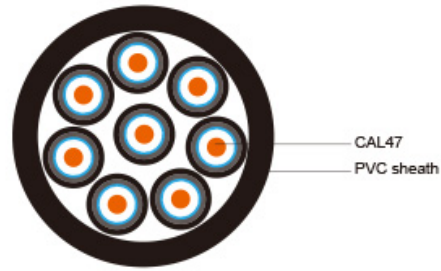


## 8 X CAL 47



## 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+Al 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	$\Phi 18.00 \pm 0.80$ mm

## 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>	92.6 Kg/Km
<b>Cable weight (approx.)</b>	371.6 Kg/Km
<b>Screening effectiveness</b>	>85 dB

## Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
200	13.7	4.18
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

<b>30-300 MHz</b>	>32dB
<b>300-600 MHz</b>	>27dB
<b>600-900 MHz</b>	>21 dB