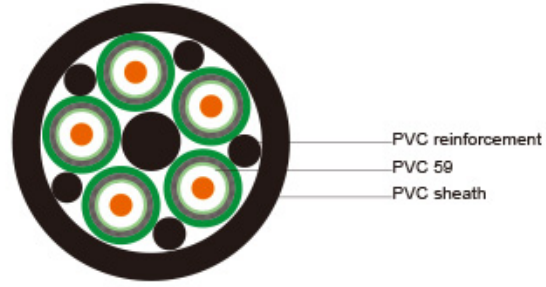


## 5 X CAL 59



## Construction

<b>Inner conductor</b>	Plain copper	0.8 mm
<b>Dielectric</b>	Foam PE	$\Phi 3.65 \pm 0.10$ mm
<b>Outer conductor (shield 1)</b>	Aluminium+polyester+Al tape	
<b>Shield coverage</b>		100%
<b>Outer conductor (shield 2)</b>	Tinned copper	96 x 0.15 mm
<b>Shield coverage</b>		88%
<b>Individual sheath</b>	Green PVC	$\Phi 5.90 \pm 0.10$ mm
<b>Overall sheath</b>	Black PVC	$\Phi 19.40 \pm 0.50$ mm
<b>Reinforcement 1</b>	PVC	$\Phi 4.20 \pm 0.10$ mm
<b>Reinforcement 2</b>	PVC	5 x $\Phi 2.30 \pm 0.10$ mm
<b>Electrical &amp; Mechanical Characteristics</b>		
<b>Impedance</b>		75±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>		35 Ohm/Km
<b>Outer conductor resistance</b>		12.5 Ohm/Km
<b>Operating temperature range</b>		-25 °C - +80 °C
<b>Copper weight</b>		100.0 Kg/Km

**Cable weight (approx.)** 440.3 Kg/Km

**Screening effectiveness** >90 dB

#### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
200	11.6	3.54
470	18.2	5.55
860	25.5	7.77
1000	27.9	8.51
1350	32.6	9.94
1500	34.9	10.64
1750	37.6	11.46
2150	42.3	12.9
2400	45.4	13.84

#### Return Loss

**30-300 MHz** >32dB

**300-600 MHz** >30dB

**600-900 MHz** >26 dB