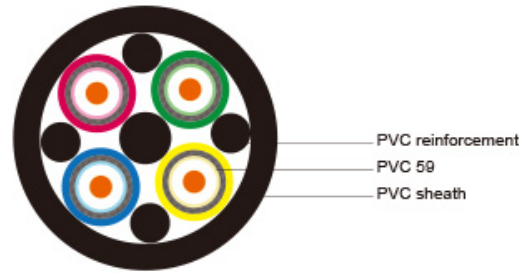


4 X CAL 59



Construction

Inner conductor	Plain copper	0.8 mm
Dielectric	Foam PE	$\Phi 3.65 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	96 x 0.15 mm
Shield coverage		88%
Individual sheath	PVC(yellow green red blue)	$\Phi 5.90 \pm 0.10$ mm
Overall sheath	Black PVC	$\Phi 16.90 \pm 0.40$ mm
Reinforcement	PVC	5 x $\Phi 2.40 \pm 0.10$ 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	35 Ohm/Km
Outer conductor resistance	12.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	87.2 Kg/Km
Cable weight (approx.)	340.1 Kg/Km

Screening effectiveness

>90 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	6	1.83
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