



Caledonian

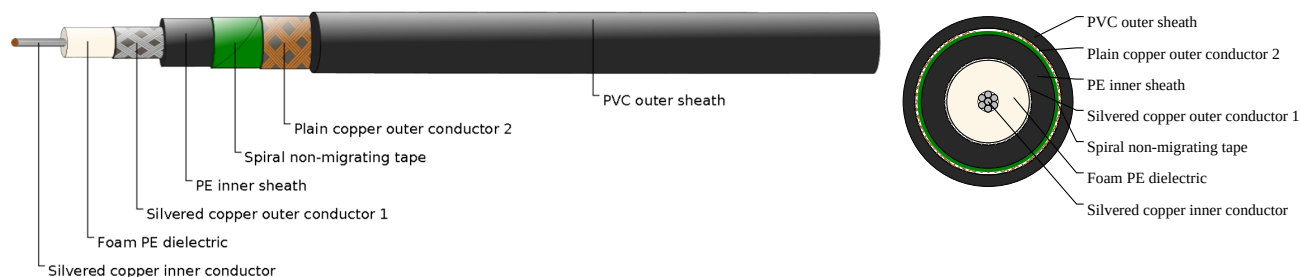
Coaxial Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Triaxial Cables

CTX 47 FLEX



Construction

Inner conductor	Silver plated copper	7 x 0.4 mm
Dielectric	Foam PE	$\Phi 4.70 \pm 0.10$ mm
Outer conductor(shield 1)	Silver plated copper	168 x 0.13 mm
Shield coverage	/	94%
Inner sheath	PE	$\Phi 6.60 \pm 0.10$ mm
Tape	Spiral non-migrating tape	h. 20 mm
Outer conductor (shield 2)	Plain copper	192 x 0.15 mm
Shield coverage	/	94%
Outer sheath	PVC/LSOH	$\Phi 8.70 \pm 0.10$ 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	20.5 Ohm/Km
Outer conductor resistance 1	7.3 Ohm/Km
Outer conductor resistance2	7.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	64.5 Kg/Km
Cable weight (approx.)	116.1 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
-----------------	------------------------	-------------------------



Caledonian

Coaxial Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

50	5.2	1.6
100	7.7	2.3
200	10.9	3.3
400	16.3	5
500	19	5.8
600	21.2	6.5
860	26.1	8
1000	28.5	8.7

Return Loss

30-300 MHz	>30dB
300-600 MHz	>29dB
600-900 MHz	>28dB