



Caledonian

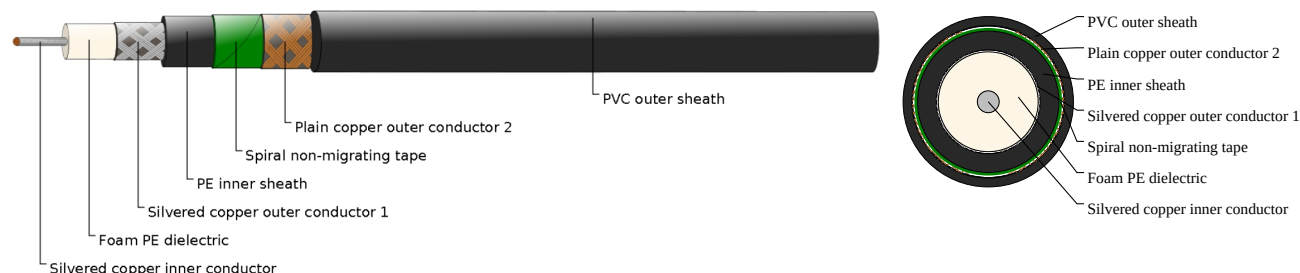
Coaxial Cables

www.caledonian-cables.com

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Triaxial Cables

CTX 64



Construction

Inner conductor	Silver plated copper	1.4 mm
Dielectric	Foam PE	$\Phi 6.40 \pm 0.10$ mm
Outer conductor(shield 1)	Silver plated copper	216x 0.13 mm
Shield coverage	/	92%
Inner sheath	PE	$\Phi 8.60 \pm 0.10$ mm
Tape	Spiral non-migrating tape	h. 20 mm
Outer conductor (shield 2)	Plain copper	216 x 0.16 mm
Shield coverage	/	92%
Outer sheath	PVC/LSOH	$\Phi 11.00 \pm 0.18$ 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	11.5 Ohm/Km
Outer conductor resistance 1	6 Ohm/Km
Outer conductor resistance2	5.8 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	88.1 Kg/Km
Cable weight (approx.)	169.25 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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50	3.7	1.1
100	5.4	1.6
200	8.2	2.5
400	12.1	3.7
500	13.8	4.2
600	15.6	4.8
860	18.8	5.7
1000	20.6	6.3

Return Loss

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