



Caledonian

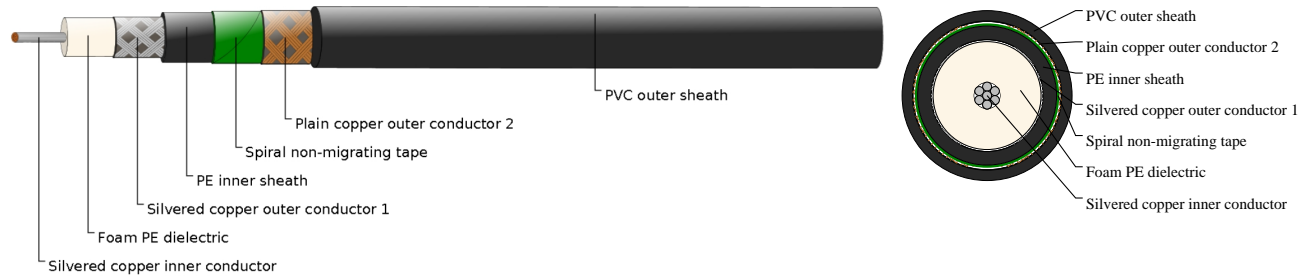
Coaxial Cables

www.caledonian-cables.com

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Triaxial Cables

CTX 80 FLEX



Construction

Inner conductor	Silver plated copper	7 x 0.65 mm
Dielectric	Foam PE	$\Phi 8.00 \pm 0,10$ mm
Outer conductor(shield 1)	Silver plated copper	216x 0.15 mm
Shield coverage	/	92%
Inner sheath	PE	$\Phi 10.00 \pm 0.10$ mm
Tape	Spiral non-migrating tape	h. 20 mm
Outer conductor (shield 2)	Plain copper	216 x 0.18 mm
Shield coverage	/	90%
Outer sheath	PVC/LSOH	$\Phi 13.00 \pm 0.30$ mm

Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	8 Ohm/Km
Outer conductor resistance 1	5 Ohm/Km
Outer conductor resistance2	3.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	117.6 Kg/Km
Cable weight (approx.)	224.35 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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50	3.4	1
100	5.1	1.6
200	7.5	2.3
400	10.9	3.3
500	12.4	3.8
600	14.2	4.3
860	17	5.2
1000	18.8	5.7

Return Loss

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