



Caledonian

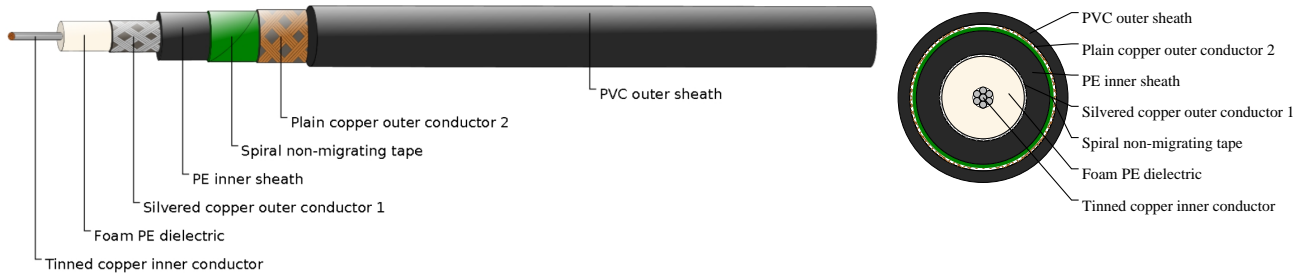
Coaxial Cables

www.caledonian-cables.com

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Triaxial Cables

CTX 44 FLEX



Construction

Inner conductor	Tinned copper	7 x 0.35 mm
Dielectric	Foam PE	$\Phi 4.40 \pm 0.10$ mm
Outer conductor(shield 1)	Silver plated copper	168 x 0.12 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	168 x 0.15 mm
Shield coverage	/	93%
Outer sheath	PVC	$\Phi 9.00 \pm 0.10$ 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	22.5 Ohm/Km
Outer conductor resistance 1	8.5 Ohm/Km
Outer conductor resistance2	6 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	58.7 Kg/Km
Cable weight (approx.)	115.1 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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50	5.5	1.7
100	8.1	2.5
200	11.4	3.5
400	17.1	5.25
500	20	6.1
600	22.3	6.8
860	27.4	8.4
1000	29.9	9.1

Return Loss

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