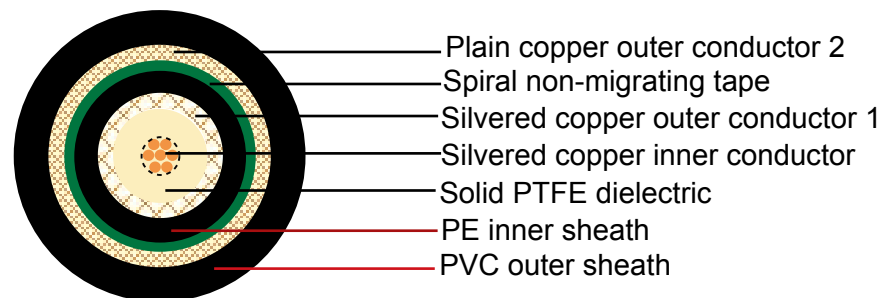


Triaxial Cables

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. 27 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	8.0 Ohm/Km
Outer conductor resistance1	5.0 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)	Max. Attenuation(dB/100ft)
50	3.4	1.0
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	17.0	5.2
1000	18.8	5.7

Return Loss

30-300 MHz	>30dB
300-600 MHz	>28dB
600-900 MHz	>24dB