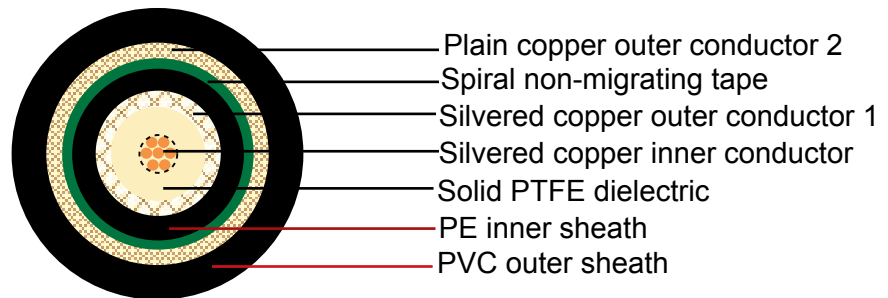


CTX 47 FLEX



Construction

Inner conductor	Silver plated copper	7 x 0.40 mm
Dielectric	Foam PE	Φ4.70 ± 0.10 mm
Outer conductor (shield 1)	Silver plated copper	168 x 0.13 mm
Shield coverage		94%
Inner sheath	PE	Φ6.60 ± 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	Φ8.70 ± 0.10 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	20.5 Ohm/Km
Outer conductor resistance1	7.3Ohm/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)	Max. Attenuation(dB/100ft)
50	5.2	1.6
100	7.7	2.3
200	10.9	3.3
400	16.3	5.0
500	19.0	5.8
600	21.2	6.5
860	26.1	8.0
1000	28.5	8.7

Return Loss

30-300 MHz	>27dB
300-600 MHz	>23dB
600-900 MHz	>20dB