



Caledonian

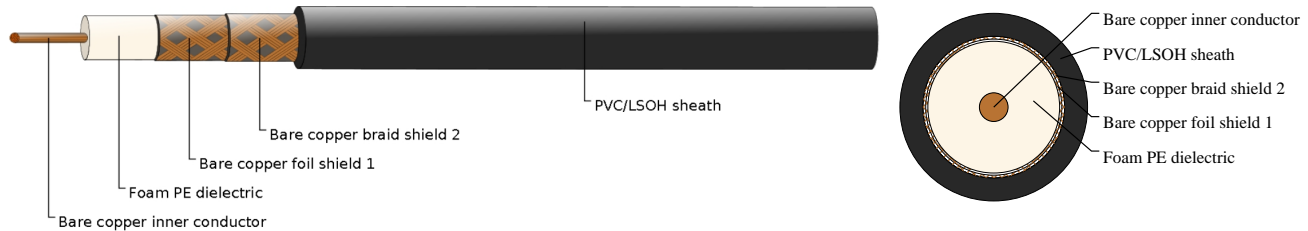
Coaxial Cables

www.caledonian-cables.com

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CT Series Coaxial Cables

CT 100



Construction

Inner conductor	Bare copper	Φ1.00 mm
Dielectric	Foam PE	Φ4.60 mm
Outer conductor(shield 1)	Copper Foil	Φ4.75 mm
Shield coverage	/	100%
Outer conductor(shield)	Bare copper braid	96x0.10 mm
Shield coverage	/	55%
Outer sheath	PVC/LSOH	Φ6.55 mm

Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	85%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	21.4 Ohm/Km
Rated temperature	70°C
Operating voltage	30 V
Cable weight (approx.)	57 kg/km
Screening effectiveness	>75 dB (30-1000MHz) >65 dB (1000-2150MHz)

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	4.6	1.4
100	6.5	1.98
200	9.5	2.9
460	15	4.57
860	19.5	5.95



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1000	21.5	6.55
1750	29	8.84
2150	32.5	9.91

Return Loss

5-470 MHz	>23dB
470-860 MHz	>20dB
860-2150 MHz	>18dB