



Caledonian

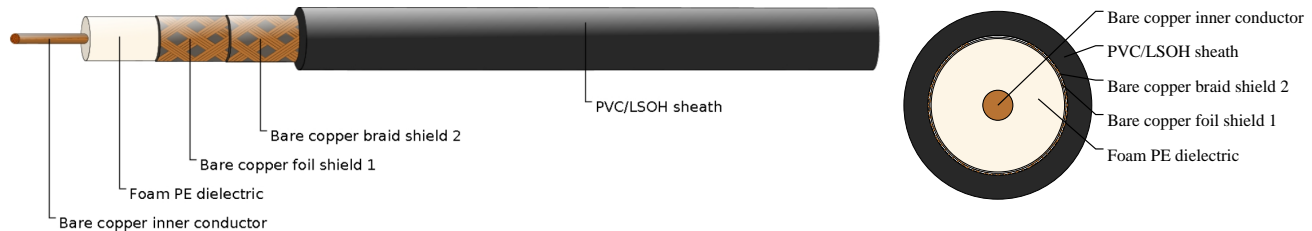
Coaxial Cables

www.caledonian-cables.com

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CT Series Coaxial Cables

CT 165



Construction

Inner conductor	Bare copper	Φ1.63 mm
Dielectric	Foam PE	Φ7.20 mm
Outer conductor(shield 1)	Copper Foil	Φ7.39 mm
Shield coverage	/	100%
Outer conductor(shield)	Bare copper braid	96x0.10 mm
Shield coverage	/	55%
Outer sheath	PVC/LSOH	Φ10.10 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	8.45 Ohm/Km
Rated temperature	70°C
Operating voltage	30 V
Cable weight (approx.)	116 kg/km
Screening effectiveness	>75 dB (30-1000MHz) >65 dB (1000-2150MHz)

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	3	0.91
100	4	1.22
200	6	1.83
460	9	2.74
860	12.5	3.81



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1000	13.5	4.12
1750	19	5.79
2150	22	6.71

Return Loss

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