

CT Series Coaxial Cables

CT 125

Construction

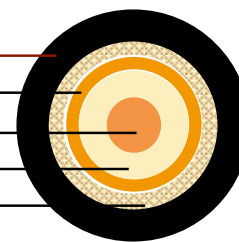
Inner conductor	Bare copper	Φ1.25 mm
Dielectric	Foam PE	Φ5.50 mm
Outer conductor (shield 1)	Copper Foil	Φ5.65 mm
Shield coverage 1		100%
Outer conductor (shield 2)	Bare copper braid	96x0.10 mm
Shield coverage 2		60%
Sheath	PVC/LSOH	Φ7.80 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	85%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	12.8 Ohm/Km
Outer conductor resistance	- Ohm/Km
Rated temperature	70°C
Operating voltage	30 V
Cable weight (approx.)	65 kg/km
Screening effectiveness	≥75 dB (30-1000MHz) ≥65 dB (1000-2150MHz)



PVC/LSOH sheath
Bare copper foil shield 1
Bare copper inner conductor
Foam PE dielectric
Bare copper braid shield 2



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	3.5	1.07
100	5.0	1.52
200	7.5	2.29
460	11.5	3.51
860	15.5	4.73
1000	17.0	5.18
1750	22.0	6.71
2150	26.0	7.93

Return Loss

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