

CT Series Coaxial Cables

CT 165

Construction

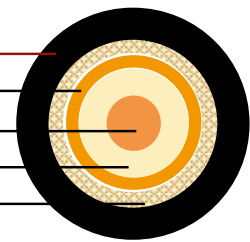
Inner conductor	Bare copper	Φ1.63 mm
Dielectric	Foam PE	Φ7.20 mm
Outer conductor (shield 1)	Copper Foil	Φ7.39 mm
Shield coverage 1		100%
Outer conductor (shield 2)	Bare copper braid	96x0.10 mm
Shield coverage 2		55%
Sheath	PVC/LSOH	Φ10.10 mm

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
Outer conductor resistance	- 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)



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	3.0	0.91
100	4.0	1.22
200	6.0	1.83
460	9.0	2.74
860	12.5	3.81
1000	13.5	4.12
1750	19.0	5.79
2150	22.0	6.71

Return Loss

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