

CT Series Coaxial Cables British Type

CT 100

CT 125

CT 165

CT Series Coaxial Cables

CT 100

Construction

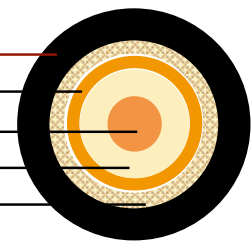
Inner conductor	Bare copper	Φ1.00 mm
Dielectric	Foam PE	Φ4.60 mm
Outer conductor (shield 1)	Copper Foil	Φ4.75 mm
Shield coverage 1		Φ100%
Outer conductor (shield 2)	Bare copper braid	96x0.10 mm
Shield coverage 2		55%
Sheath	PVC/LSOH	Φ6.55 mm

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
Outer conductor resistance	- 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)



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	4.6	1.40
100	6.5	1.98
200	9.5	2.90
460	15.0	4.57
860	19.5	5.95
1000	21.5	6.55
1750	29.0	8.84
2150	32.5	9.91

Return Loss

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

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Construction

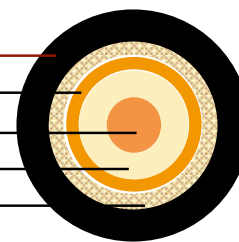
Inner conductor	Bare copper	Φ1.25 mm
Dielectric	Foam PE	Φ5.50 mm
Outer conductor (shield 1)	Copper Foil	Φ5.65 mm
Shield coverage 1		100%
Outer conductor (shield 2)	Bare copper braid	96x0.10 mm
Shield coverage 2		60%
Sheath	PVC/LSOH	Φ7.80 mm

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

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Construction

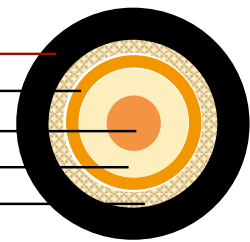
Inner conductor	Bare copper	Φ1.63 mm
Dielectric	Foam PE	Φ7.20 mm
Outer conductor (shield 1)	Copper Foil	Φ7.39 mm
Shield coverage 1		100%
Outer conductor (shield 2)	Bare copper braid	96x0.10 mm
Shield coverage 2		55%
Sheath	PVC/LSOH	Φ10.10 mm

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