

CT125

Coaxial Cables

PRO-POWER
Quality Cables



Features:

- 75Ω coaxial cables suitable for TV transmission systems and broadband satellite applications.
- Sheathed in Black PVC, RBS type is suitable for direct burial and underground ducts sheathed in Green.
- Relevant standards in accordance with BS5425 Part1 1986.

Construction

Component	Material Breakdown	Diameter
Inner conductor	Plain annealed copper wire solid construction	1.25 ±0.01
Dielectric	Low density polyethylene 5 cell semi air spaced	5.51 ±0.05
Screen 1	Plain copper tape pulled in longitudinally under braid	5.61 ±0.05
Screen 2	Plain annealed copper wire braid woven over plain copper tape screen optical coverage of 55%	6.21 ±0.10
Jacket	Raydex bonded shield nominal wall R _T = 1.70mm	9.60 ±0.20

Dimensions : Millimetres

Electrical Parameters

Return Loss Ratio

Frequency Band (MHz)	Minimum RLR (dB)
10 - 450	20
450 - 1000	18

Attenuation at 20°C (dB/100m)

Frequency (MHz)	Maximum	Nominal
5	1.2	1.1
50	3.6	3.4
100	5.2	4.9
200	7.4	7.1
450	11.5	11.0
600	13.2	12.7
860	16.1	15.5
1000	17.4	16.8

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DC Resistance

Inner Conductor : 16.3Ω/km maximum at 20°C

Outer Conductor : 11.3Ω/km maximum at 20°C

Transfer Impedance (Z_T)

Frequency (MHz)	Z_T (mΩ/m)
5	5.0
10	3.0
30	0.5
300	0.5

Specifications

Conductor	Characteristic Impedance (Z_0) at 200MHz (Ω)	Velocity of Propagation (%)	Capacitance (pF/m)	Nominal Outside Diameter	Weight (nominal) kg/km	Reel Length (m)	Part Number
1/1.25	75.0 ±2.5	83	52.5 ±2.0	11.5	82	100	MCCT125 MCCT125RBS

Dimensions : Millimetres (Unless Specified)

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Notes:

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