

REF NO. 610061

DATE: 16.05.01

DESCRIPTION : 75 OHM COAXIAL CABLE

CONFORMS TO: CX 100 – Sky Approved and Generally to EN 50117

MECHANICAL DATA

- 1.1. Inner Conductor: 1.00mm Plain Copper Wire.
- 1.2. Insulation: Foamed Polyethylene. Diameter = 4.70mm.
- 1.3. Screen(s): 1- Plain Copper/Polyester Tape. 100% Coverage.
2 - Braid of 0.15mm Plain Copper Wires, 60% coverage.
- 1.4. Construction: Foamed Polyethylene wrapped with Copper/Polyester Tape and Plain Copper Braid.
Jacketed with PVC or LSOH Material.
- 1.5. Jacket: PVC or LSOH.
- 1.6. Overall Diameter: 6.45 ± 0.10 mm Nominal
- 1.7. Weight: 52 kg /km Nominal
- 1.8. Marking: As required by Customer.
- 1.9. Other details: Temperature range : $-20^{\circ}\text{C} \rightarrow +80^{\circ}\text{C}$
- 1.10 Drawing Reference:

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ELECTRICAL DATA

2.1 Impedance: 75 ± 3 Ohms.

2.2. Capacitance(s): 54pF/m Nominal.

2.3.1.: Inner Conductor(s): 28 Ohms/km Max.

2.3.2.: Outer Conductor(s): 19 Ohms/km Max.
/screens

| 2.4. Attenuation: | f (MHz) | db/100m (Max) |
|-------------------|---------|---------------|
| | 5 | 1.6 |
| | 50 | 4.6 |
| | 100 | 6.5 |
| | 200 | 9.5 |
| | 460 | 15.0 |
| | 860 | 19.5 |
| | 1000 | 21.5 |
| | 1750 | 29.0 |
| | 2150 | 32.5 |

| | | |
|-------------------|---------------|-------|
| 2.5. Return Loss: | 5 – 30Mhz | >23dB |
| | 30 – 470Mhz | >23dB |
| | 470 – 862Mhz | >20dB |
| | 862 – 2150Mhz | >18dB |

2.6. Velocity of Propagation: 80% Nominal