



MPN: TVW-00

Product Name: Coaxial Cable 100m White

Brand: Commodity Cables

Category: Data & Comms

Product Description: Coaxial cables are the cables used to carry signals from an aerial to electrical appliances such as cctvs or televisions.

Key Features:

- Ideal for installations where the satellite cable must be very durable
 - Foam-core cable for the hard-core installer
 - Solid copper conductor
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Specifications:

- Conductor Material: Copper Clad Steel
- Conductor Stranding: Solid, 1/1.02mm
- Dielectric Material: Foam Polyethylene (FPE)
- Dielectric Diameter: 4.6mm $\pm$ 0.10
- Screening 1: Overall Aluminium Foil
- Screening 1 Coverage: > 100%
- Screening 2: Aluminium Wire Braid
- Screening 2 Coverage: > 35% $\pm$ 3
- Sheath Material: Polyvinyl Chloride (PVC)
- Sheath Colour: White
- Overall Diameter: 6.8mm $\pm$ 0.2mm
- Temperature Range Fixed: -15°C to +70°C, Flexing: 0°C to +60°C
- Inner Conductor DC Resistance: $\leq$ 120 Ω /km @ 20°C
- Outer Conductor DC Resistance: $\leq$ 54 Ω /km @ 20°C
- Characteristic Impedance: 75 Ω $\pm$ 3
- Nominal Capacitance: 53 pF/m $\pm$ 3
- Velocity of Propagation: 82%

Applications:

Satellite and Cable TV:

- **Signal Transmission:** Ideal for transmitting satellite and cable TV signals due to its 75-ohm impedance, which matches the requirements for these types of signals.
- **High-Frequency Applications:** Suitable for high-frequency applications, ensuring minimal signal loss over long distances.

Internet and Broadband:

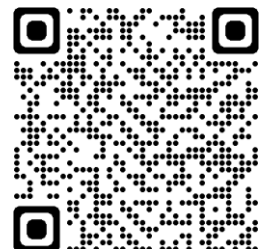
- **Cable Modems:** Commonly used to connect cable modems to the internet service provider's network.
- **Broadband Internet:** Ensures reliable broadband internet connections with minimal interference.

CCTV and Security Systems:

- **Video Surveillance:** Used in CCTV systems for transmitting video signals from cameras to recording devices or monitors.

Standards:

- BS EN 50575



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