

CAT5e-UTP PVC

High performance Networking / Data Cables

Description & Applications

CAT5E-UTP PVC - Category 5 (Enhanced) High performance multi-pair cable consisting of 4 unshielded twisted pairs (UTP) with Solid Bare Copper conductors of 0.50 mm (24AWG) per core, within a PVC outer jacket. Used primarily in high speed networking applications and will support Gigabit Ethernet at frequencies up to 100Mhz.

This cable has been designed to meet the performance requirements of the ANSI/TIA-568-C.2 for Category 5e cables and is suited for use in high speed Networking, Data transmission, CCTV Video, IP CCTV, POE, VOIP and more.

Specification

Product Ref: CAT5e-UTP-PVC

Construction:

Conductor : Solid 'Bare Copper,' 0.50mm (24AWG)

Cable: 8 wires formed into 4 insulated twisted pairs

Core Insulation: HDPE - High Density Polyethylene

Core Identification:

4 colour coded twisted Pairs: Blue + White/Blue, Orange + White/Orange, Green + White /Green, Brown + White/Brown

Screening / Shielding: UTP – Unshielded 'unscreened' twisted pair cable

Stripping Cord: Nylon stripping cord.

Outer Sheath: PVC, Polyvinyl Chloride Jacket in light Grey colour.

Overall Diameter: 5.1mm (+/- 0.2mm)

Cable Markings: Product Ref code, / Metre marked / Applicable Standards.

Electrical Properties:

DC Resistance: < 9.5 ohms/100m

Resistance unbalance: <2%

Frequency Range: Up to 100 Mhz

Characteristic Impedance : 100 Ohms +/- 15%

Capacitance: < 5.6 nf/100m

NVP: 69%

Min. Bending Radius: 7 x Overall diameter

Operating temperature: -20°C to +60°C

Technical Performance @20°C:

Attenuation: 100mhz :22 Db

NEXT: 100mhz :35.3 dB

Packaging: 305m (1000ft) 'Easy Pull' Box

Weight: 10Kg (including Box)

Standards and Conformances:

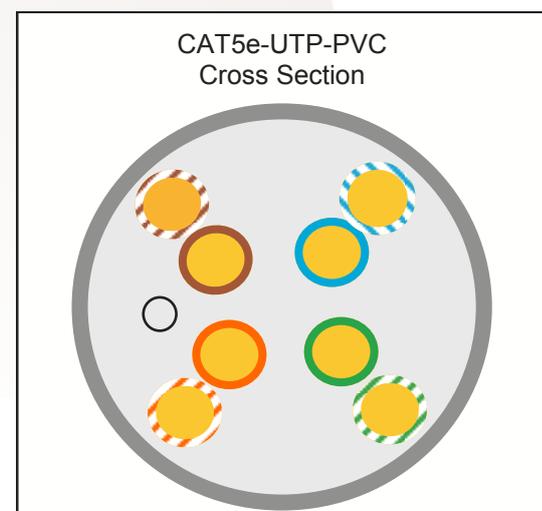
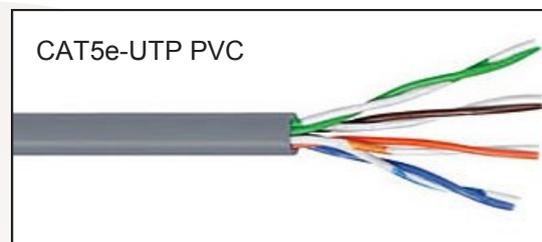
Designed to meet the performance requirements of :

- ANSI/TIA/ EIA-568-C.2 for Category 5 Cables
- EN50173
- ISO11801

Suitable for use in systems conforming to:

IEEE 802.3 / 100BASE-TX / 100BASE-T / 100VG-AnyLan

1000BASE-T (Gigabit Ethernet)



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