

CAT5e-FTP PVC

High performance Networking / Data Cables with Foil screening

Description & Applications

CAT5E-FTP PVC - Category 5e (Enhanced) High performance multi-pair cable consisting of 4 twisted pairs with Solid Bare Copper conductors of 0.50 mm (24AWG) per core, plus a common outer Aluminium Foil shielding (FTP) and a PVC outer jacket. Used primarily in high speed networking applications and will support Gigabit Ethernet at frequencies up to 100Mhz. The Foil screening can minimise unwanted high frequency signals from other local cables or other sources of noise from entering the cable.

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-FTP-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: FTP – Common aluminium foil shielding, outer screening with drain wire.

Stripping Cord: Nylon stripping cord.

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

Overall Diameter: 5.5mm (+/- 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: 11Kg (including Box)

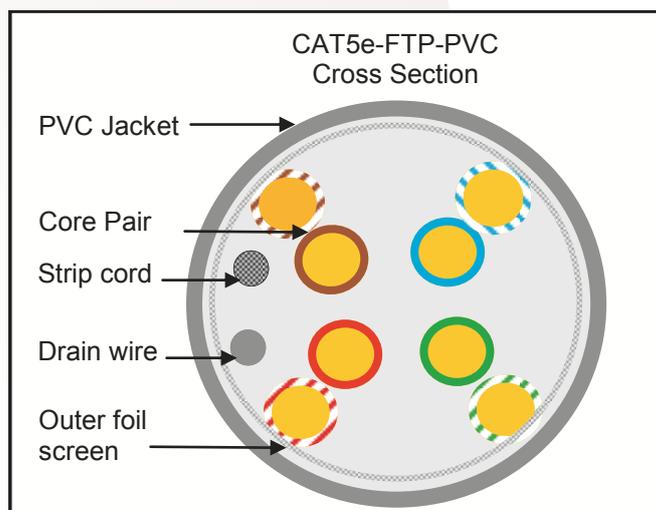
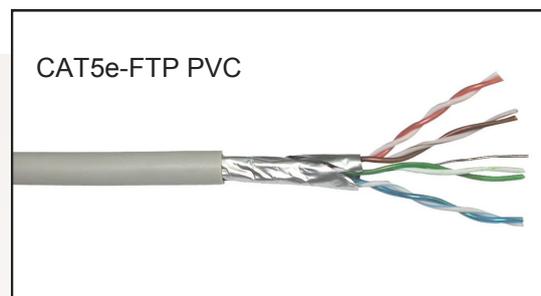
Standards and Conformances:

Designed to meet the performance requirements of :

- ANSI/TIA/ EIA-568-C.2 for Category 5e 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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