

# CAT5e-FTP PE Outdoor

High performance Networking / Data Cables with Foil screening

## Description & Applications

**CAT5E-FTP PE** - 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 PE outer jacket for corrosion and weather resistance. 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-PE

### 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:** PE, Polyethylene Jacket in Black.

Weather and corrosion resistant 'Duct Grade'.

**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:** 10.5Kg (including Box)

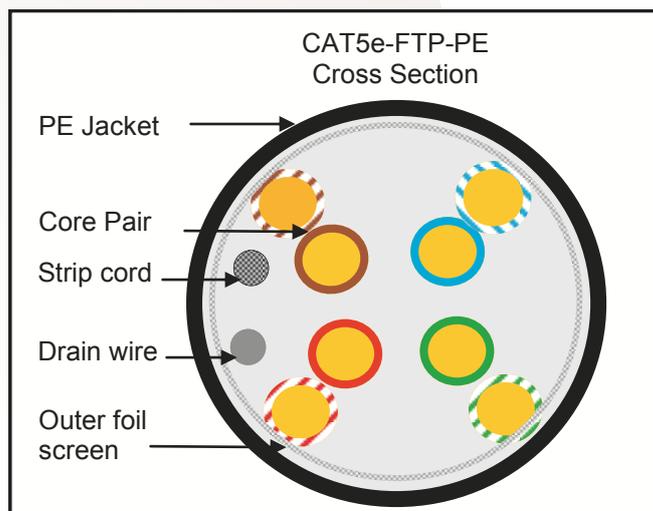
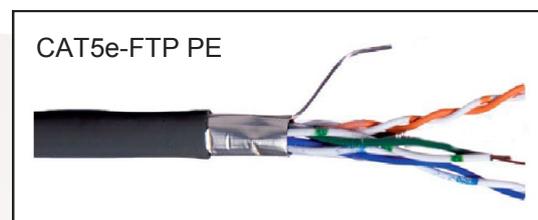
### Standards and Conformances:

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)



[www.kortexcables.co.uk](http://www.kortexcables.co.uk)

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