

# CAT5e-UTP PE (Outdoor)

## High performance Networking / Data Cables

### Description & Applications

**CAT5E-UTP PE** - 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 PE weather & corrosion resistant 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-PE Outdoor

#### 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:** PE, Polyethylene Jacket in Black. Weather & corrosion resistant, 'Duct Grade'.

**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:** 9.5Kg (including Box)

#### Standards and Conformances:

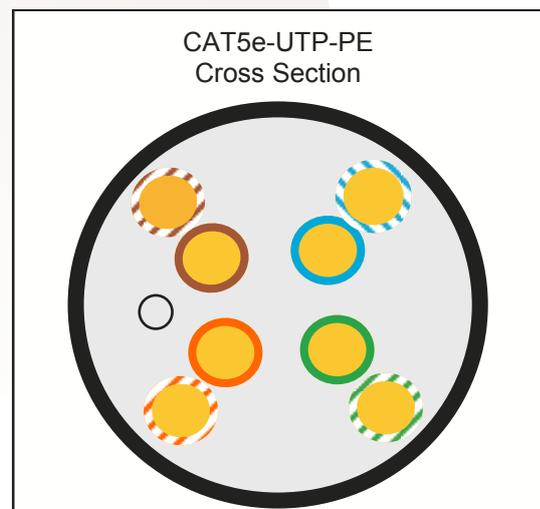
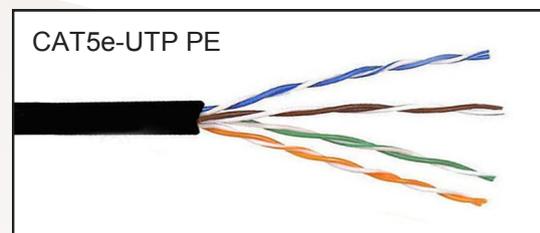
Designed to meet the performance requirements of :

- 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)



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

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