

# Copper Cabling Solutions

## Category 6 Solid UTP PVC Eca Cable

Connectix Cat 6 UTP PVC Cable is designed for high speed LANs including Gigabit Ethernet applications. When used with Connectix panels and modules it gives the exceptional performance required for transmission over all four pairs. The cable is supplied in easy to use boxes and is available with standard grey PVC outer sheaths.

### Features & Benefits

- Suitable for Gigabit Ethernet applications
- PVC outer sheaths
- Supplied metre marked in easy pull boxes for easy installation
- Pure copper cores
- Excellent performance exceeding ANSI/TIA stated specifications
- 25 Year System Warranty Available



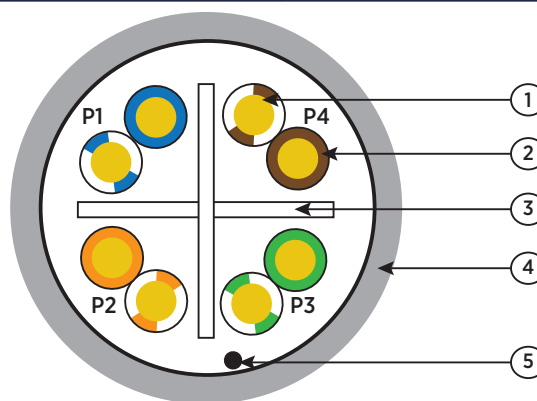
### Electrical Specifications

DC Resistance	< 9.4 $\Omega$ /100 m			
Insulation Resistance	>5000m $\Omega$ *km			
Capacitance Unbalance (pair to ground)	< 5.6nF/100 m			
Characteristic Impedance @1-250 MHz	100 Ohm +/- 15 Ohm			
Velocity Ratio	69%			
Operating Temperature Range	-20 °C to +60 °C			
Installation Temperature Range	0 °C to +50 °C			
Transfer Impedance (m $\Omega$ /m)	1 MHz	10 MHz	30 MHz	100MHz

### Product Specifications

Inner Conductor	23 AWG plain copper
Insulation	High density polyethylene
Construction	4 twisted pairs cabled together with spline
Colour Code	Pair 1: White/Blue-Blue/White Pair 2: White/Orange-Orange/White Pair 3: White/Green-Green/White Pair 4: White/Brown-Brown/White
Sheath	PVC
RAL Colour	Grey - 7044
Overall Diameter	6.1mm +/- 0.3 mm
Min. Bending Radius	25 mm
Impedance	100 Ohm +/- 15 Ohm
Conforms to	ANSI/TIA-568-C, ISO 11801 CENELEC EN 50173
Euroclass Rating	Eca

### Diagram



1. Copper Core
2. HOPE Insulation
3. Cross Member

4. Rip Cord
5. Outer Sheath PVC

### Ordering Information

Description	Part Number
Cat 6 UTP PVC Solid Cable	001-003-005-00S