

# Copper Cabling Solutions

## Category 5e Solid UTP External Cable

Connectix Cat 5e UTP Cable is designed for high speed LANs including Gigabit Ethernet applications. When used with Connectix enhanced Category 5 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 black PE outer sheath.

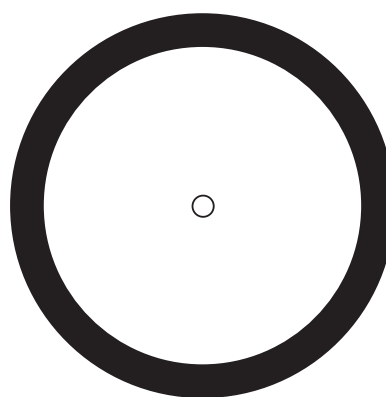
### Features & Benefits

- Suitable for Gigabit Ethernet applications
- PE outer sheath
- Supplied metre marked in easy pull boxes for easy installation
- Pure copper cores
- Excellent performance exceeding ANSI/TIA enhanced Category 5 specifications

Electrical Specifications				
DC Resistance Unbalance	Max 2.5			
Insulation Resistance	>5000m $\Omega$ *km			
Characteristic Impedance @1-250 MHz	100 MHz +/- 15 $\Omega$			
Velocity Ratio	69%			
Operating Temperature Range	-20 °C to +70 °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	24 AWG plain copper
Insulation	High density polyethylene
Construction	4 twisted pairs cabled together
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	PE external (Black)
RAL Colour	Black - 9004
Overall Diameter	5.2mm +/- 0.3 mm
Min. Bending Radius	20 mm
Impedance	100MHz +/- 15 $\Omega$
Conforms to	ANSI/TIA-568-C, ISO11801, Cenelec EN50173
Length Available (metres)	305m

### Diagram



1. Outer Sheath PE
2. High Density Polyethylene Instillation
3. Copper Core
4. Cross Member
5. HOPE Insulation
6. Rip Cord