

# Copper Cabling Solutions

## Category 6 Solid UTP LSZH Eca Cable

Connectix Cat 6 UTP LSZH 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 purple LSZH outer sheaths.

### Features & Benefits

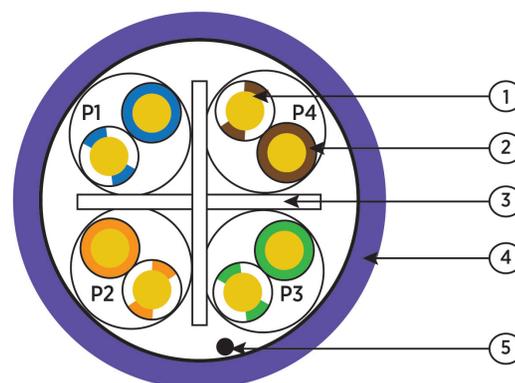
- Suitable for Gigabit Ethernet applications
- LSZH outer sheaths
- Supplied metre marked in easy pull boxes for easy installation
- Pure copper cores
- Excellent performance exceeding ANSI/TIA stated specifications
- 25 Year System Warranty Available



| Electrical Specifications              |                     |
|--|---------------------|
| DC Resistance                          | < 9 $\Omega$ /100 m |
| Insulation Resistance                  | >5000m $\Omega$ *km |
| Capacitance Unbalance (pair to ground) | < 5.6nF/100 m       |
| Velocity Ratio                         | 69%                 |
| Operating Temperature Range            | -20 °C to +60 °C    |
| Installation Temperature Range         | 0 °C to +50 °C      |
| Characteristic Impedance @1-250 MHz    | 100 Ohm +/- 15 Ohm  |

| 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<br>Pair 2: White-Orange/Orange<br>Pair 3: White-Green/Green<br>Pair 4: White-Brown/Brown |
| Sheath                           | Low Smoke Zero Halogen   |
| RAL Colour                       | Violet - 4001  |
| Overall Diameter                 | 5.5 +/- 0.2 mm   |
| Weight (Kg/Km)                   | 39.1 (PVC/PE)/41.2 (LSZH)  |
| Min. Bending Radius Installation | 50 mm  |
| Min. Bending Radius Installed    | 25 mm  |
| Conforms to                      | ANSI/TIA-568-C, Cenelec EN50173 and ISO 11801  |
| LSZH Jacket Conforms to          | IEC 60332-1, IEC 61034 and IEC 60754   |
| Euroclass Rating                 | Eca  |

### Diagram



1. Copper Conductor
2. HDPE Insulation
3. Cross Filter

4. Sheath
5. Rip Cord

### Ordering Information

| Description                | Part Number     |
|----------------------------|-----------------|
| Cat 6 Solid UTP LSZH Cable | 001-003-005-60S |