

# Copper Cabling Solutions

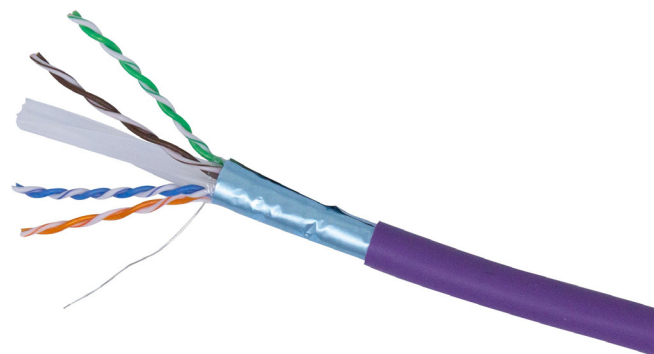
## Category 6 Solid FTP LSZH Eca Cable



Connectix Cat 6 FTP Eca LSZH Cable is designed for high speed LANs including Gigabit Ethernet applications. When used with Connectix FTP Modules and Panels 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

- Supplied in easy pull boxes for easy installation
- Excellent performance - exceeding ANSI/TIA-568-C
- Metre marked
- Excellent electromagnetic compatibility
- 24 AWG solid copper cores
- Suitable for Gigabit Ethernet applications
- 25 Year System Warranty Available



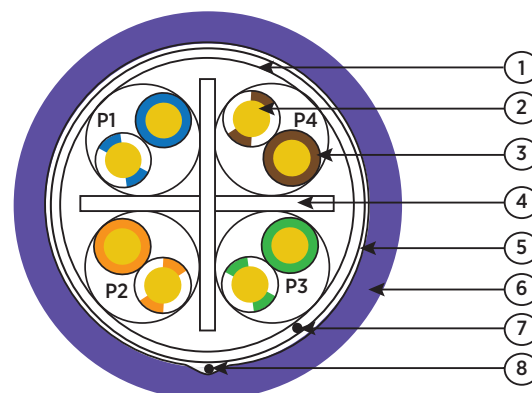
### Electrical Specifications

DC Resistance Unbalance	Max 2.5			
Insulation Resistance	>5000mΩ*km			
Capacitance Unbalance (pair to ground)	< 5.6nF/100 m			
Characteristic Impedance @1-250 MHz	100 Ohms ± 15 Ohms			
Transfer Impedance (mΩ/m)	1 MHz	10 MHz	30 MHz	100MHz

### Product Specifications

Inner Conductor	0.55 mm
Insulation	HD polyethylene
Screen	Overall aluminium / polyester type longitudinally applied, aluminium side in with a 0.40 mm tinned copper drain wire applied under the screen
Construction	4 twisted pair cables together with spine foil shield
Colour Code	Pair 1: White/Blue - Blue Pair 2: White/Orange - Orange Pair 3: White/Green - Green Pair 4: White/Brown - Brown
Sheath	Low Smoke Zero Halogen (LSZH)
RAL Colour	Violet - 4001
Overall Diameter	7.6 mm
Min. Bending Radius Operation	30 mm
Impedance	100+/- 15 Ohms
Velocity Ratio	72%
Operating Temperature Range	-10°C to +50°C
Euroclass Rating	Eca

### Diagram



- |                     |                   |
|---------------------|-------------------|
| 1. PET              | 5. Aluminium Foil |
| 2. Copper Conductor | 6. Jacket         |
| 3. HDPE Insulation  | 7. Drain Wire     |
| 4. Cross Filter     | 8. Rip Cord       |

### Product Information

Installation Temperature Range	0°C to +40°C
LSZH Sheath Conforms to	IEC 60332-1, IEC 61034 and IEC 60754 and ISO 11807 CENELEC EN 50173

### Ordering Information

Description	Part Number
Cat 6 Solid FTP Eca LSZH Cable	001-004-004-15