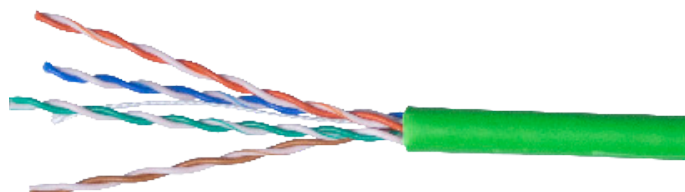# Category 6 Solid UTP LSZH Cca Cable

Connectix Cat6 UTP LSZH Cable is designed for high speed LANs including Gigabit Ethernet applications. The Cca LSZH sheath offers excellent fire performance making this the ideal choice in public buildings and other high risk locations, exceeding the requirements of BS6701:2016+A1:2017 for installation cables. 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 green LSZH outer sheaths.
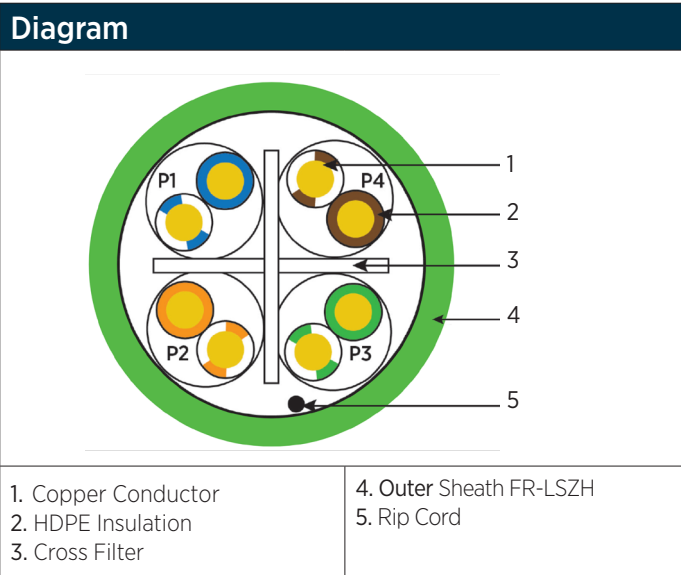
Features & Benefits

- 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
- In line with BS6701:2016+A1:2017 specifications
- 25 Year System Warranty Available
- Available in 100m boxes

Electrical Specifications

DC Resistance	< 9 Ω/100 m
Insulation Resistance	>5000mΩ*km
Capacitance Unbalance (pair to ground)	< 5.6nF/100 m
Velocity Ratio (NVP)	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 **Pair 2:** White-Orange/Orange **Pair 3:** White-Green/Green **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	Cca

Diagram

1. Copper Conductor
2. HDPE Insulation
3. Cross Filter
4. **Outer** Sheath FR-LSZH
5. Rip Cord

Ordering Information

Description	Part Number
Cat6 Solid UTP LSZH Cca Cable 100m Box	001-003-004-94

Connectix
CABLING SYSTEMS