

# Copper Cabling Solutions

## Category 5e U/UTP Cca Solid Cable

Connectix Cat 5e 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 Cat5e panels and modules it gives the exceptional performance required for transmission over all four pairs.

### Features & Benefits

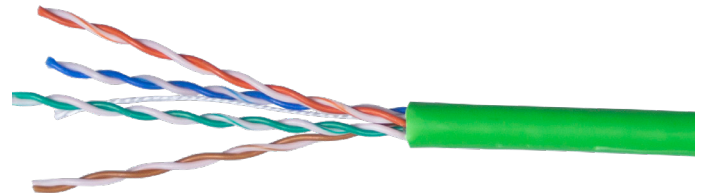
- Suitable for Gigabit Ethernet applications
- Supplied metre marked for easy installation
- Pure copper cores
- Excellent performance exceeding ANSI/TIA Enhanced Category 5e specifications
- 305m supplied in an easy pull boxes
- In line with BS6701:2016+A1:2017 specifications
- 25 Year System Warranty Available

### Electrical Specifications

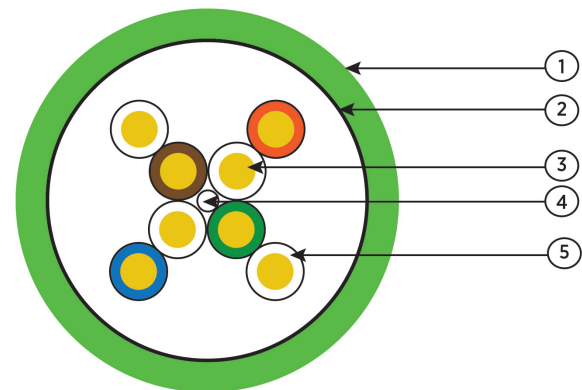
|                                    |                       |        |        |        |
|------------------------------------|-----------------------|--------|--------|--------|
| DC Resistance                      | < 9.4 $\Omega$ /100 m |        |        |        |
| Velocity Ratio                     | 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

|                                  |                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Conforms to                      | IEEE 802.3: 10Base-T, 100Base-T, 1000 Base-T standards; ANSI/TIA 568C; ISO/IEC 11801; RoHS2002/95/EC                                     |
| Fire Rating                      | Cca,s1a,d0,a1                                                                                                                            |
| Inner Conductor                  | 24 AWG plain copper                                                                                                                      |
| Insulation                       | High density polyethylene                                                                                                                |
| Construction                     | 4 twisted pairs cabled together                                                                                                          |
| Colour Code                      | Pair 1: White/Blue-Blue/White<br>Pair 2: White/Orange-Orange/White<br>Pair 3: White/Green-Green/White<br>Pair 4: White/Brown-Brown/White |
| Sheath                           | FR-LSZH                                                                                                                                  |
| RAL Colour                       | Green - 6018                                                                                                                             |
| Overall Diameter                 | 5.4 +/- 0.4 mm                                                                                                                           |
| Min. Bending Radius Installation | 44 mm                                                                                                                                    |
| Min. Bending Radius Installed    | 22 mm                                                                                                                                    |



### Diagram



- |                                         |                    |
|-----------------------------------------|--------------------|
| 1. Outer Sheath FR-LSZH                 | 4. RIP Cord        |
| 2. High Density Polyethylene Insulation | 5. HOPE Insulation |
| 3. Copper Core                          |                    |

### Ordering Information

| Description                       | Part Number    |
|-----------------------------------|----------------|
| Cat 5e U/UTP Cca Solid LSZH Cable | 001-003-003-68 |