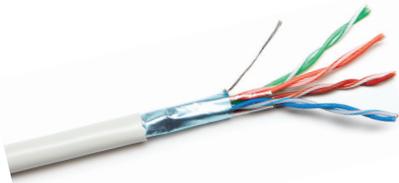


# CAT6 FTP 23 AWG CABLES



Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 250MHz. The shield acts as a Faraday cage to reduce electrical noise from affecting the signals, and to reduce electromagnetic radiation that may interfere with other devices. This cable well exceeds the requirements of TIA/EIA-568-C.2 and ISO/IEC 11801.

## SPECIFICATIONS

|                 |   |
|-----------------|---|
| Conductor:      | 23 AWG Solid bare Copper (4 pair)       |
| Insulation:     | High Density Polyethylene               |
| Pairs:          | 2 Insulated conductors twisted together |
| Sheath:         | FR PVC/LSZH                             |
| Shield:         | Aluminium /Polyester Foil               |
| Cable Diameter: | 7.2 ± 0.3 mm                            |

## ORDERING INFORMATION

| PART CODE          | DESCRIPTION   |
|--------------------|---|
| NCB-C6SGRYR-305    | Cat6 FTP 23 AWG PVC Solid Cable<br>-305m/Roll-Grey Colour     |
| NCB-C6SGRYR-305-LS | LS Cat6 FTP 23 AWG LSZH Solid Cable<br>-305m/Roll-Grey Colour |

## COLOUR CODE

| PAIR NO. | COLOUR                         |
|----------|--------------------------------|
| 1-2      | White/Orange Stripe and Orange |
| 3-6      | White/Green Stripe and Green   |
| 4-5      | White/Blue Stripe and Blue     |
| 7-8      | White/Brown Stripe and Brown   |

## KEY FEATURES

- Comply with Cat 6 specifications
- 4-pair shielded twisted pair (FTP) cable
- 23 AWG solid copper conductor for superior conductivity
- PE insulation
- PE central cross
- FR PVC Jacket
- Packaged in MDF spool in a box

## ELECTRICAL PROPERTIES

|                           |              |
|---------------------------|--------------|
| Characteristic Impedance: | 100± 15Ω     |
| Conductor Resistance:     | ≤ 9.38Ω/100m |
| Mutual Capacitance:       | <5.6nF/100m  |
| Resistance Unbalance:     | 5% Max       |
| Capacitance Unbalance:    | 330pF/100m   |
| Delay Skew:               | < 45ns       |
| NVP:                      | 69%          |

