

# Copper Cabling Solutions

## Category 6 FTP Solid SWA Cable



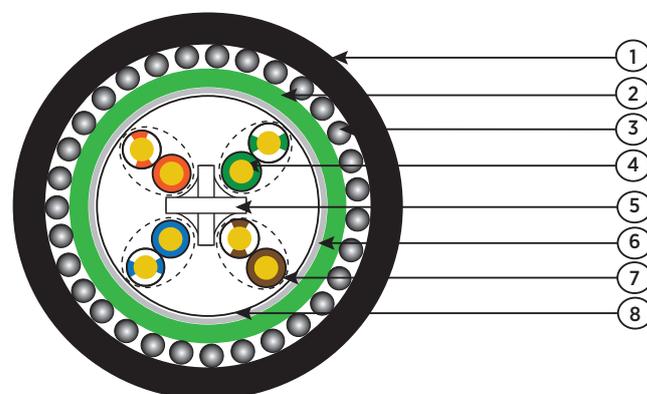
Connectix Cat 6 FTP SWA Cable is designed for high speed LANs including external application that requires an Armoured Cat 6 Cable for Ethernet connectivity. When used with Connectix Category 6 panels and modules it gives the exceptional performance required for transmission over all four twisted pairs. The Cat 6 SWA Armoured cable is ISO compliant, TIA compliant and Fire Standard Compliant(IEC 60332-1). The cable is supplied cut to length to suit your requirements. Manufactured with standard black PE outer sheaths, the cable has excellent chemical, abrasion and moisture resistance.

| Electrical Specifications          |                        |                      |
|------------------------------------|------------------------|----------------------|
| Impedance                          | 1-100MHz<br>100-250MHz | 100±15 Ω<br>100±20 Ω |
| 20°C, Max. Conductor DC Resistance |                        | <97.6Ω/km            |
| Maximum Rated Temperature          |                        | 60 °C                |
| Velocity Ratio                     |                        | 70%                  |
| Rated Voltage (V)                  |                        | 300                  |

| Product Specifications |   |
|------------------------|---|
| Conductor              | Material : Bare Copper, AWG: 23<br>Nom.O.D. 0.57 ± 0.01 mm  |
| Insulation             | Material: HDPE<br>Diameter: 1.04±0.08 mm C twist<br>Colour: White/Blue, White/Orange,<br>White/Green, White/Brown |
| PET                    | YES   |
| Drain wire             | 1/0.5 mm tinned copper  |
| Shielded               | PET/Aluminium Foil  |
| Rip Cord               | Yes   |
| Inner Sheath           | External O.D. 7.5(± 0.15)mm<br>Surface: Clean, Smooth<br>Material: LSZH (Black)                                   |
| Armour                 | Steel wire 0.90mmx12  |
| Outer Sheath           | External O.D. 11.20±0.20mm<br>Surface: Clean, Smooth<br>Material: PE (Black)                                      |
| RAL Colour             | Black - 9004  |
| Weight                 | 2.5kgs per metre  |



### Diagram



- |                      |                    |
|----------------------|--------------------|
| 1. Outer Sheath PE   | 6. PET             |
| 2. Inner Jacket      | 7. HOPE Insulation |
| 3. Steel Wire Armour | 8. Aluminium Foil  |
| 4. Copper Core       |                    |
| 5. Cross Member      |                    |

### Ordering Information

| Product Description       | Part Number    |
|---------------------------|----------------|
| Cat 6 FTP Solid SWA Cable | 001-003-005-80 |