

EXC Wire & Cable™



Cat6 FTP Outdoor Ethernet Cable

Outdoor cat6 FTP bulk cable is a high-quality Ethernet cable designed for outdoor use. It is built with specially formulated materials to withstand extreme temperatures, UV exposure, moisture, and other environmental factors. Cat6 cables are an improvement over Cat5e in terms of speed and performance. These cables are designed to support higher bandwidth, allowing for faster data transmission rates of up to 10Gbps at shorter distances. Cat6 cables are backward compatible with Cat5e devices, making them a popular choice for upgrading existing networks.

Features & Benefits

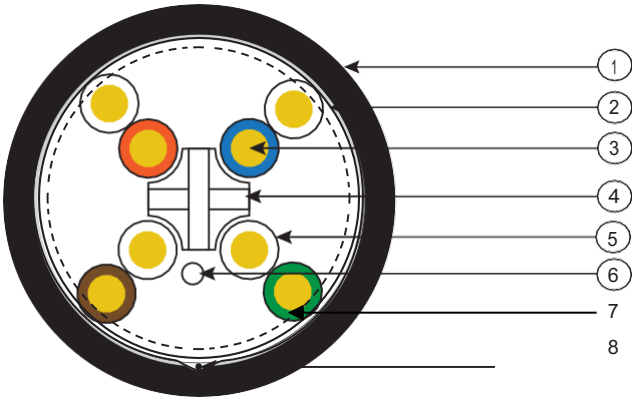
- Suitable for Gigabit Ethernet applications
- PE outer sheath
- Supplied metre marked in easy pull boxes for easy installation
- Pure copper cores
- Excellent performance exceeding ANSI/TIA Category 6 specifications



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/White Pair 2: White/Orange-Orange/White Pair 3: White/Green-Green/White Pair 4: White/Brown-Brown/White |
| Sheath | PE external (Black) |
| RAL Colour | Black - 9004 |
| Overall Diameter | 6.2mm +/- 0.3 mm |
| Min. Bending Radius | 25 mm |
| Impedance | 100 Ohm +/- 15 Ohm |
| Conforms to | ANSI/TIA-568-C, ISO11801, CENELEC EN 50173 |
| Length Available (metres) | 305m |

Diagram



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

Electrical Specifications

| | | | | |
|-------------------------------------|--------------------|--------|--------|--------|
| DC Resistance Unbalance | Max 2.5 | | | |
| Insulation Resistance | >5000mΩ*km | | | |
| Characteristic Impedance @1-250 MHz | 100 Ohm +/- 15 Ohm | | | |
| Velocity Ratio | 69% | | | |
| Operating Temperature Range | -20°C to +60°C | | | |
| Installation Temperature Range | 0°C to +50°C | | | |
| Transfer Impedance (mΩ/m) | 1 MHz | 10 MHz | 30 MHz | 100MHz |