

# EXC Wire & Cable™

## Cat5e FTP Outdoor Ethernet Cable

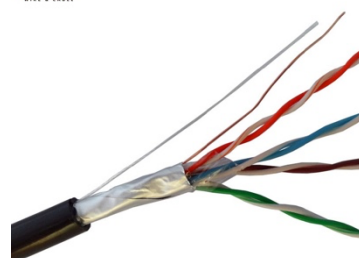
The outdoor Cat5e cable is an enhanced twisted pair that is suitable for higher network transfer rates, such as 100Mbps or 1Gbps. This network cable is suitable for outdoor environments, with high tensile strength and protection. It is composed of multiple pairs of twisted pairs and a plastic shell, can provide good network transmission performance, and can resist various environmental factors, such as wind and rain, high temperature, low temperature and so on.

### Features & Benefits

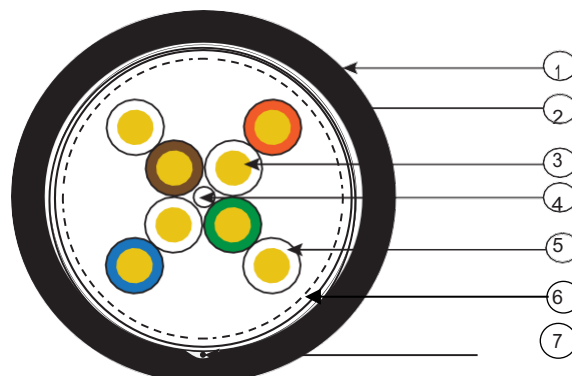
- Suitable for Gigabit Ethernet applications
- PE outer sheath
- Supplied metre marked in easy pull boxes for easy installation
- Pure copper cores
- Excellent performance exceeding ANSI/TIA enhanced Category 5 specifications

### Product Specifications

Inner Conductor	24 AWG plain copper
Insulation	High density polyethylene
Construction	4 twisted pairs cabled together
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)
Colour	Black
Overall Diameter	5.2mm +/- 0.3 mm
Min. Bending Radius	20 mm
Impedance	100MHz +/- 15 Ω
Conforms to	ANSI/TIA-568-C, ISO11801, Cenelec EN50173
Length Available (metres)	305m



### Diagram



1. Outer Sheath PE Jacket
2. Aluminium Foil
3. Copper Conductor
4. Drain Wire

5. HDPE Insulation
6. PET
7. Rip Cord

### Electrical Specifications

DC Resistance Unbalance	Max 2.5			
Insulation Resistance	>5000mΩ*km			
Characteristic Impedance @1-250 MHz	100 MHz +/- 15 Ω			
Velocity Ratio	69%			
Operating Temperature Range	-20 °C to +70 °C			
Installation Temperature Range	0 °C to +50 °C			
Transfer Impedance (mΩ/m)	1 MHz	10 MHz	30 MHz	100MHz