

EXC Wire & Cable™

Cat5e FTP Ethernet Cable

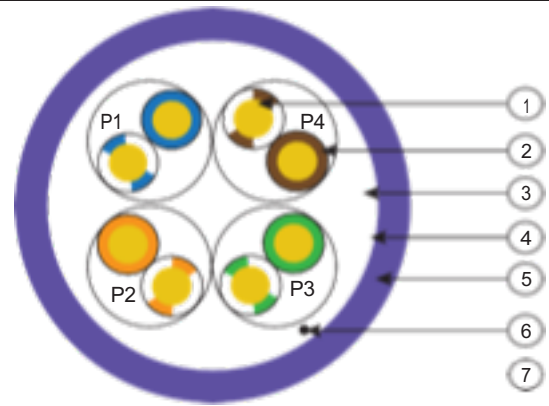
The Cat5e cable is capable of transmitting data at speeds of up to 1000 MBPS (megabits per second) or 1gbps(gigabits per second). They are commonly used in home and office networks. The name "FTP" (foil twisted pair) means that the cable has an additional foil shield around the inner twisted pair of the copper wire. This shielding helps reduce electromagnetic interference (EMI) and crosstalk, which enhance the performance and reliability of network connections.



Features & Benefits

- Supplied in easy pull boxes for easy installation
- Excellent performance - exceeding ANSI/TIA-568-C
- Metre marked
- Excellent electromagnetic compatibility
- 24 AWG solid copper cores
- Suitable for Gigabit Ethernet applications
- 25 Year System Warranty Available

Diagram



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

Electrical Specifications

DC Resistance Unbalance	Max 2.5			
Insulation Resistance	>5000mΩ*km			
Capacitance Unbalance (pair to ground)	< 5.6nF/100 m			
Characteristic Impedance @1-250 MHz	100 Ohms ± 15 Ohms			
Velocity Ratio	72%			
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

Product Specifications

Description	Cat5e FTP
Inner Conductor	0.52 mm plain copper
Insulation	0.91 mm solid polyethylene
Screen	Overall aluminium / polyester type longitudinally applied, aluminium side in with a 0.40 mm tinned copper drain wire applied under the screen
Construction	4 twisted pair cables together and wrapped in polyester tape
Colour Code	Pair 1: White/Blue - Blue Pair 2: White/Orange - Orange Pair 3: White/Green - Green Pair 4: White/Brown - Brown
Sheath	PVC(Complies RoHs)
Colour	Different color is available
Overall Diameter	5.80 ± 0.30 mm
Impedance	100 Ohms ± 15 Ohms
LSZH Sheath Conforms to	IEC 60332-1, IEC 61034 and IEC 60754, ANSI/TIA-568-C, ISO11801, CENELEC EN 50173
Euroclass Rating	Eca