

# EXC Wire & Cable™

## Cat6 UTP Outdoor Ethernet Cable

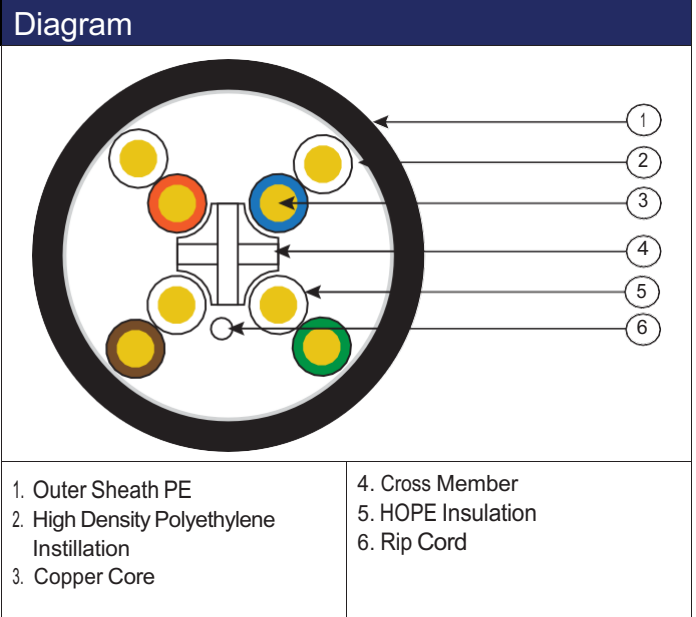
Outdoor cat6 UTP (Unshielded Twisted Pair) bulk cable is a high-quality Ethernet cable designed for outdoor use. It is built with specially formulated materials to withstand extreme temperatures, UV exposure, moisture, and other environmental factors. Cat6 cables are an improvement over Cat5e in terms 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



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