

XL500-CPR-B

CAT5e Outdoor UTP Network Cables



- 305.0 m (1000 ft)/carton UTP CAT6, power over Ethernet, compatible with one cable
- High-purity Oxygen-Free Copper conductor material
- Customized water-blocking outer sheath; meet CE CPR Eca flame retardant class certified



High-speed



Water-blocking



Oxygen-Free
Copper

Conductor

Material	Oxygen-free copper (99.99% purity)
Diameter	1/0.50mm (0.50mm±0.02mm)
American Wire Gauge	24AWG

Insulation

Material	HDPE
Min. Average Thickness	0.21mm
Diameter	0.89mm ± 0.06mm
Color	8-core, Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown

Rip Cord

Material	Polyester
Specification	500D

Wrap

Material	Polyester tape (transparent)
Dimension	W: 20mm±2mm T: 0.026mm±0.02mm

Sheath

Material	MDPE
Min. Average Thickness	0.7 mm(0.03")
Diameter	5.2 mm ± 0.4 mm(0.20"± 0.0157")
Color	Black

Electrical

Max. DC Resistance of a Single Conductor	9.5Ω/100 m
Min. Insulation Resistance	5000MΩ·km
Max. DC Resistance Unbalance	2% (pair intra), 4% (pairs inter)
Dielectric Strength	No breakdown with 1KV DC for 1 min

Transmission

Characteristic Impedance	100 ± 15Ω
Near End Cross Talk	≥35.30 dB/100m@100 MHz
Max. Attenuation	22 dB/100m@100 MHz
Return Loss	≥20.1 dB/100 m@100 MHz

Mechanical

Tensile Strength	Sheath≥12 MPa, insulation≥16 MPa
Elongation at Break	Sheath≥350%, insulation≥300%
Installation Bending Radius	>8 times of outer cable diameter
Conductor Elongation at Break	≥15%

Environmental

Shrinkage of Insulation	≤5%
Color Migration Resistance of Insulation	No migration
Low Temperature Bending Test	No cracking after the test
Heat Shock Test	No cracking after the test
Operation Temperature	-30°C to +60°C (-22°F to 140°F)
Installation Temperature	-5°C to +50°C (23°F to 122°F)
Storage Temperature and Humidity	-10°C to +40°C (14°F to 104°F), <60% (RH)

Packaging

Length	305m (1000.66 ft) ± 1.5 m (4.92 ft)
Net Weight	8.5kg±0.6kg (18.73 lb±1.32lb)
Gross Weight	9.3kg±0.6kg (20.50 lb±1.32lb)

Dimensions

