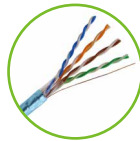


XL500-CPR-F50

305m FTP CAT5e Network Cable



- 305.0 m (1000 ft)/carton FTP CAT5E, power over Ethernet, compatible with one cable
- High-purity Oxygen-Free Copper conductor material
- Customized PVC outer sheath; meet CE CPR Eca



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	0.25 mm
Diameter	1.04 mm ± 0.05 mm
Color (4 Pairs)	Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown

Rip Cord

Material	Polyester
Specification	500D

Drain Wire

Material	Solid tinned copper
Specification	0.50 mm ± 0.10 mm (0.0196"±0.0039")

Shielding

Material	Polyester aluminum foil
Specification	19×0.065mm (19 × 0.0025")

Sheath

Material	PVC
Min. Average Thickness	0.40 mm
Diameter	6.2 mm ± 0.5 mm
Color	Gray

Electrical

Max. DC Resistance of a Single Conductor(20°C)	9.5Ω/100 m
Insulation Resistance	5000MΩ·km
Max. DC Resistance Unbalance	2% (pair intra), 4% (pairs inter)
Unbalanced line-to-ground capacitance	160pF/100m
Working Capacitance	56pF/100m

Transmission

Characteristic Impedance	100 ± 15Ω
Near End Cross Talk	≥35.30 dB/100 m@100 MHz
Max. Attenuation	≤22.0 dB/100 m@100 MHz
Return Loss	≥20.1 dB/100 m@100 MHz

Mechanical

Tensile Strength	Sheath≥13.5 MPa, insulation≥16 MPa
Elongation at Break	Sheath≥150%, insulation≥300%
Installation Bending Radius	>8 times of outer cable diameter

Environmental

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	-20°C to +75°C (-4°F to 167°F)
Installation Temperature	0°C to +60°C (32°F to 140°F)
Storage Temperature	-15°C to +75°C (5°F to 167°F)

Packaging

Length	305.0 m ± 2.0 m
Gross Weight	14kg±0.5kg
Net Weight	11.5kg±0.5kg

Certification

Certification	CPR Eca
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Dimensions(mm)

