

# PLH Cat6E FTP Cable 305M

## Product Datasheet

### Product Specifications

Product Type: Category 6E Foiled Twisted Pair (FTP) Network Cable

Category: Cat6E / Enhanced Category 6

Port Count: 4 pairs (8 conductors)

Mounting: Indoor/Outdoor installation, horizontal and vertical runs

Rack Height: N/A (Bulk cable spool)

Cable Length: 305 meters (1000 feet) per box

Termination Type: RJ45 connectors (not included, for field termination)

Wiring Standard: T568A/T568B compatible

Contact Material: 23 AWG bare copper conductors

Conductor Material: Solid copper for superior performance and low attenuation

Panel Material: Aluminum foil shield with PVC outer jacket

Color: Gray (standard)

Cable Management: Suitable for structured cabling, patch panels, network racks

Labeling: Sequential meter markings for precise measurement

Performance: Supports up to 10 Gbps (10GBASE-T) Ethernet

Bandwidth: 550 MHz

Maximum Transmission Distance: 100 meters for 10 Gigabit Ethernet

Impedance: 100 Ohms plus or minus 15 Ohms

Shielding: Overall foil shield (F/UTP) for enhanced EMI/RFI protection

Drain Wire: Included for proper grounding of the foil shield

Cable Diameter: Approximately 6.5 mm

Operating Temperature: -20°C to 60°C (-4°F to 140°F)

Storage Temperature: -40°C to 70°C (-40°F to 158°F)

Humidity: 0% to 95% relative humidity (non-condensing)

Application: High-speed networks, data centers, PoE++, IP cameras, industrial environments

Compliance: TIA/EIA-568-B.2, ISO/IEC 11801, Class E, RoHS compliant, ETL listed

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### About IT&E Electric

IT&E Electric is a Ghana-based electrical company delivering safe, reliable, and professional electrical services for residential, commercial, and industrial needs.

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