



CAT6 LSF VIOLET 305M

Supports up to 10Gbps (55m) / 1Gbps (100m)

Quicklink: Q340F

General	
Colour	Purple
Dimensions	
Diameter	6mm
Length	305m

This Category 6 (CAT6) UTP data cable features safety LSZH (Low Smoke Zero Halogen) outer sheath. As intelligent lighting networks and home automation systems evolve, modern electrical installations rely heavily on hardwired data lines to function. This solid-core 4-pair cable is specifically designed to transmit critical control signals from system hubs to remote user keypads, dimmers, and interfaces without latency or data packet loss.

Performance & Distance Specifications

- Ultra-High Speed Data Transfer: Fully supports data speeds up to 10Gbps over shorter runs of up to 55 metres.
- Standard Gigabit Networking: Reliably delivers stable 1Gbps (Gigabit) speeds over full standard runs of up to 100 metres.
- Frequency Performance: Operates at a high bandwidth of up to 250MHz, significantly mitigating internal signal crosstalk.

Applications

- Smart Lighting Networks: The universal industry standard for wiring central automation systems, including Lutron (HomeWorks / RA2 Select), DALI networks and DMX architectures.
- Future-Proofing: If you are running cable behind plasterboard or under floors the CAT6 cable guarantees your building infrastructure can handle next-generation data speeds.

.cable-table { width: 100%; border-collapse: collapse; font-family: Arial, sans-serif; font-size: 14px; border: 1px solid black; } .cable-table th, .cable-table td { border: 1px solid black; padding: 10px; text-align: left; } .cable-table td:first-child { font-weight: bold; }

Feature	CAT5e	CAT6 PVC	CAT6 LSZH
Category Standard	Cat5e	Cat6	Cat6
Max Speed & Distance	Up to 1 Gbps (100m)	Up to 10 Gbps (55m), Up to 1 Gbps (100m)	Up to 10 Gbps (55m), Up to 1 Gbps (100m)

Data Cable

LAN CAT6 LSZH UTP 4-Pair Unshielded Ethernet Cable - Violet (305m Box)

Supports up to 10Gbps (55m) / 1Gbps (100m)

Bandwidth	100 MHz	250 MHz	250 MHz
Cable Jacket Material	PVC	PVC	LSZH (Low Smoke Zero Halogen)
Fire Safety Rating	Basic (Standard Domestic)	Basic (Standard Domestic)	Flame Retardant / Zero Halogen Gases
Best Use Environment	Standard Homes & Budget Retrofits	Premium Residential & Private Smart Homes	Commercial Buildings, Public Spaces & Luxury Smart Homes
Flexibility	Highly Flexible (Easy to pull)	Flexible	Stiff / Robust Inner Core
Lighting & Smart Home Use	Basic intercoms, entry-level smart hubs, and phone lines	Hardwired home routers, smart lighting bridges, smart TVs, and IP CCTV	Lutron, DALI, and DMX networks in commercial or high-end residential specs

Please Note:Once cable is cut cannot be returned.