

Data Cable

LAN CAT6 PVC UTP 4-Pair Unshielded Ethernet Cable - Grey (305m Box)

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



CAT6 PVC GREY 305

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Quicklink: Q6F50

General

Colour Grey
Construction PVC

Dimensions

Diameter 5mm
Length 305m

CAT6 PVC UTP network cable is built with a flexible, cost-efficient PVC (Polyvinyl Chloride) outer jacket. As modern residential spaces demand high-bandwidth data infrastructure to handle internet traffic and smart hubs simultaneously, a hardwired network backbone is essential. This solid copper conductor cable eliminates the dropouts, dead zones, and latency of Wi-Fi by providing a rock-solid physical data connection directly to your devices.

Performance & Distance Specifications

- **Max Speed Capability:** Achieves blistering data transfer rates of up to 10Gbps at distances up to 55 metres under ideal conditions.
- **Extended Infrastructure Runs:** Fully rated to support seamless 1Gbps (Gigabit Ethernet) speeds across maximum distances up to 100 metres.
- **Reduced Interference:** Features precision-twisted pairs to block electromagnetic interference (EMI) in high-density home networks.

Applications

- **High-Bandwidth Home Infrastructure:** Recommended for wiring home offices, high-definition IP CCTV camera systems, multi-room audio zones, and smart TVs.
- **Residential Smart Homes & Domestic New Builds:** Ideal for routing through domestic drywalls, joists, and under floorboards where specialized LSZH fire-rated jackets are not structurally mandated by local building codes.

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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)
Bandwidth	100 MHz	250 MHz	250 MHz

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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.