

S/FTP CAT6 LSZH Patch Leads

blake UK



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Designed to transmit signals without degradation and at high speed even within Power over Ethernet applications. The extra protection from EMC interference provided by the overall stranded shielding and the twisted pairs in foil ensures the best performance.

S/FTP: SHIELDED WITH FOILED TWISTED PAIRS

The twisted pairs are wrapped in foil tape and enclosed in a flexible, strong braid screen. This additional foil reduces crosstalk from adjacent pairs and other cables, while the braid enhances grounding.

Features:

- **Shielded CAT6 Cable:** Built with a shielded connection, complete with latch and kink protection for long-lasting performance.
- **Strain Relief with Length Marking:** The length is conveniently moulded into the strain relief for quick and easy identification.
- **Red Connector Ends:** Red connectors for easy recognition of the CAT6 standard.
- **High-Speed Data Transfer:** Designed to provide fast and reliable data transmission.
- **Standards Compliant:** Conforms to TIA/EIA568B.2 (tested with Fluke Tester) and IEC/ISO11801 industry standards.
- **Broad Compatibility:** Ideal for use in primary (campus), secondary (riser), and tertiary (horizontal) network setups.
- **Supports IEEE802.3:** Fully compatible with 10 Base-T, 100 Base-T, 1000 Base-T, and 10G Base-T standards.
- **High-Quality Conductor:** Made from bare copper with a conductor diameter of 28 AWG (7/0.12±0.008mm) for excellent conductivity.
- **Durable Insulation:** Features polyethylene (PE) insulation with a diameter of 0.85±0.05mm for reliable performance.
- **Enhanced Shielding:** 4 x Aluminium (AL) Pairs in Metal Foil (PiMF) shielding and an 80/0.12mm AL-MG braided screen protect against interference.
- **Gold-Plated Connectors:** The 3U gold-plated copper connectors ensure superior conductivity, durability, and long-lasting performance with minimal signal degradation.
- **Flexible, Safe Jacket:** Comes with a black Low Smoke Zero Halogen (LSZH) jacket, 0.6±0.1mm thick, and a 6.0±0.2mm outer diameter for added durability and safety.

Technical Specifications:

Conductor	Bare copper, 28 AWG(7/0.12±0.008mm)
Plugs	3U gold plated copper
Insulation	PE, 0.85±0.05mm
Pair Shielding	4×AL PiMF foil
Braid Shielding	80/0.12mm AL-MG
Jacket Material	LSZH (Low Smoke Zero Halogen)
Outer Diameter	6.0±0.2mm
Resistance Unbalance	≤ 2%
Insulation Resistance	≥130 MΩ/km
Characteristic Impedance	100±15 Ω (1-100MHz)
Test Voltage	(DC, 1 min) 1000v
Attenuation	(at 250 MHz) 40.8 dB/100m
Return Loss	(at 250 MHz) 15.6 dB

The range:

BLACK:	WHITE
0.25m	0.25m
0.5m	0.5m
1m	1m
2m	
3m	
5m	BLUE:
10m	0.25m
20m	0.5m
	1m

