



CAT 7 S/FTP CABLE

LSZH Ethernet Cable

Application

Netcon's CAT 7 S/FTP LSZH Ethernet Cable is a high-performance, fully shielded data cable designed for high-speed 10 Gigabit Ethernet (10GBASE-T) and beyond, making it ideal for data centers, commercial buildings, and enterprise networks. Featuring individually shielded twisted pairs with an overall braided shield (S/FTP), it provides exceptional protection against electromagnetic interference (EMI) and alien crosstalk, ensuring superior signal integrity and consistent high-speed performance.

10GBASE-T 10 Gigabit Ethernet (up to 100 meters, 600 MHz)

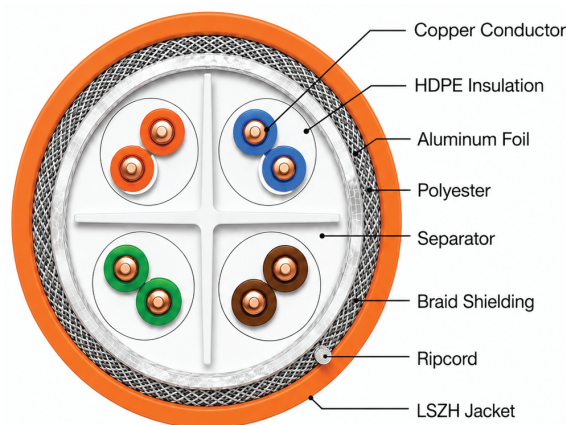
1000BASE-T / 1000BASE-TX Gigabit Ethernet
100BASE-TX Fast Ethernet / 10BASE-T Ethernet
Supports broadband video, VoIP, cloud computing, and ultra high-speed data transmission

Ideal for shielded structured cabling systems requiring maximum protection against EMI and alien crosstalk

Suitable for data centers, enterprise networks, commercial buildings, and industrial environments
Standards Conformance



CAT.7 S/FTP CABLE



CORE IDENTIFICATION

Pair 1: Orange Grey Pair 2: Blue Green

Application Support:

Horizontal and backbone cabling for 10GBASE-T and high-speed Ethernet applications

Performance Standards:

Complies with ISO/IEC 11801 Class F (Category 7)

Construction Standards:

IEC 61156-5 (Category 7 cables) - EN 50288-4-2 / EN 50288-9-1 (shielded S/FTP cables)

Fire & Safety (LSZH / CPR):

Environmental Compliance:

Fully compliant with RoHS and REACH directives

Standard Color: Orange - Optional Colors: Blue, White, Red, Purple

EN 13501-6:2014 (CPR Classification – Cca, Dca, or higher) - IEC 60332-1-2 (Flame propagation)

EN 61034-2 (Smoke density) - EN 60754-1 & EN 60754-2 (Halogen-free / low toxicity)

PoE Capability:

Supports IEEE 802.3bt Type 3 & Type 4 (PoE++ / 4PPoE)

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High-Speed Performance and Construction

Manufactured with AWG23 solid copper conductors and individually shielded twisted pairs with an overall braided shield (S/FTP), the Cat7 S/FTP LSZH cable delivers outstanding NEXT, AXT (alien crosstalk), and return loss performance over extended distances. The advanced multi-layer shielding design provides superior protection against electromagnetic interference (EMI), ensuring stable, ultra-high-speed, and interference-free connectivity for VoIP, video conferencing, cloud applications, and high-bandwidth data streaming. Designed to support frequencies up to 600 MHz, it exceeds the performance requirements of Cat6A systems.

Fire Safety and Compliance

The LSZH (Low Smoke Zero Halogen) outer sheath minimizes smoke emission and eliminates toxic halogen gases in the event of fire, ensuring enhanced safety in offices, hospitals, schools, airports, and public buildings.

This cable complies with international standards such as ISO/IEC 11801, EN 50173, IEC 61156-5, and IEC 60332-1, and can be supplied with CPR-rated classifications (Cca, Dca, or higher) upon request.

Applications and Installation

Designed for horizontal cabling and patch panel terminations, the Cat7 S/FTP LSZH cable is ideal for fixed installations in structured cabling systems where superior shielding performance is essential. It is widely used in data centers, IT rooms, backbone infrastructure, server racks, and network distribution panels.

The cable supports 10 Gbps data transmission up to 100 meters, with higher bandwidth capability for future-proof network infrastructure, ensuring enhanced signal integrity, minimal interference, and long-term reliability.

ORDERING INFORMATION

NTC7SF23L	Netcon, Category 7 S/FTP, 500MHz installation cable, Solid Copper, 23 AWG, 305 Metre Box, LSZH Jacket, Orange.
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