

NETCON Category 6 S/FTP cables are specifically designed to deliver robust standards-based performance ensuring optimum bandwidth for today's high speed network applications. The cable is designed to support horizontal networking applications over distances up to 100 meters.

Each Category 6 S/FTP exceeds the minimum specified performance for Category 6A S/FTP cables and support all CLASS EA applications.

APPLICATION

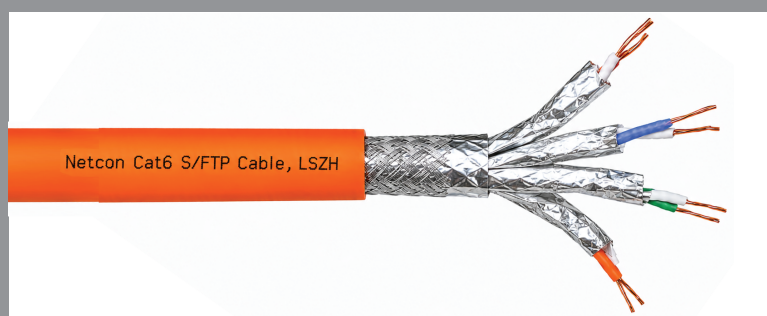
- Supports category 6 (Class EA) networks running up to 500MHz applications.
- Ideal for environments where external interferences can disrupt signals.
- Horizontal and backbone in structured cabling installations.

FEATURES

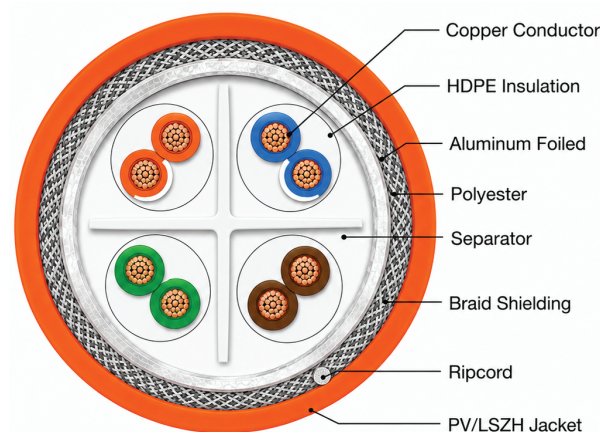
- Conform to IEC, EIA-TIA performance requirements.
- 23AWG premium grade copper conductor.
- S/FTP cable structure for better shielding in heavy external interference environments.
- Support application with PoE, IEEE 802.3bt PoE++ Type 4.
- Cable jacket available in LSZH, PVC, CM.
- CPR Euro classes certified on demand.

SPECIFICATIONS

Parameters	Value
Electrical Performance	Certified performance in a 4-conductor configuration up to 100 meters
Conductor/Insulator	23AWG Solid Copper insulated with HPDE
Operating Temperature	-20°C ~ +70°C
PoE Application	IEEE 802.3bt PoE++ Type 4
Compliance	ANSI/TIA-568-C.2, ISO 11801, IEC 60603-7
RoHS Compliance	Compliant



NETCON CAT.6 S/FTP CABLE



CORE IDENTIFICATION

- Pair 1:  White/Blue and Blue  White/Orange and Orange
- Pair 1:  White/Green and Green  White/Brown and Brown

**TRANSMISSION LINE
PERFORMANCE AT 20°C**

Freq. MHz	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	PS NEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20	2.03	74.5	570	72.3	68	65
4	23	3.7	65.3	552	63.3	56	53
10	25	5.9	59.3	545	57.3	48	45
20	25	8.3	54.8	541.2	52.8	42	39
62.5	21.5	14.9	47.4	538.5	45.4	32.1	29.1
100	20	19	44.3	537.6	42.3	28	25
250	17.3	31	38.2	536.1	36.5	20	17
500	15.2	45.4	33.7	535.1	31.8	14	11
600*	17.3	50.1	60.7	535.5	57.7	38.4	35.4
800*	17.3	58.92	58.9	535.3	55.9	35.9	32.9

* Performance for frequencies beyond TIA and ISO requirements are for information only.

ORDERING INFORMATION

NTC6SF23L	Netcon, Category 6, S/FTP, 500MHz installation cable, Solid Copper, 23 AWG, 305 Metre Box, LSZH jacket, Orange.
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