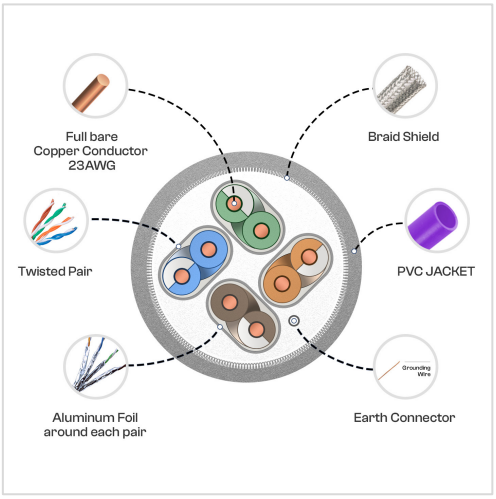
NEXUS
Structure Trading Co.

NETWORK CAT6A/SFTP

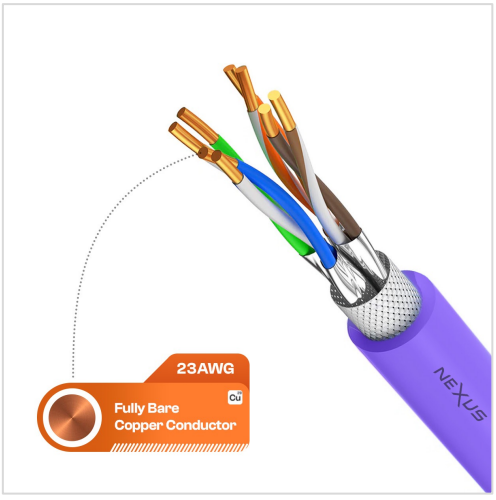
CAT6A SFTP Ethernet Cable Roll

- Pure 99.99% Copper 23AWG 0.57mm
- 10Gbps Transfer Rate on 500MHZ
- 100% Pure Light-weight and weather-proof PVC/LSZH/Outdoor Sheath
- Comply with all Category 6A cable standards
- Support Class E applications
- **FLUKE TIA/EIA 568.B** Tested up to 500MHz
- Guaranteed **Fluke** Pass test



Available in 305m Self Roll-Up box





Push your network to its peak with our CAT6A S/FTP (Shielded Foiled Twisted Pair) 23AWG Ethernet Cable, engineered for 10 Gigabit Ethernet at up to 100 meters with exceptional shielding and data integrity. Every cable is individually Fluke® test certified, ensuring it exceeds TIA/EIA and ISO/IEC performance standards. You're not just getting premium materials—you're getting guaranteed performance, backed by lab-grade test results. Choose between a Low Smoke Zero Halogen (LSZH) jacket for safety-critical zones or a PVC jacket for general use. With 100% bare copper conductors, double shielding, and noise immunity, this cable is built for the most demanding environments—from enterprise data centers to smart homes.

Standards & Compliance

ISO9001 - ISO/ IEC 11801 - ANSI/TIA-568-B2

NEXUS
Structure Trading Co.

NETWORK CAT6A/SFTP

Technical Specifications

Features	Details
Category	CAT6A (Augmented Category 6)
Cable Type	S/FTP (Shielded Foiled Twisted Pair)
Conductor Material	100% Bare Copper
Conductor Size	23 AWG
Shielding	Aluminum foil for each pair + overall braided screen
Bandwidth	500 MHz
Max Data Rate	10 Gbps (up to 100 meters)
Jacket Type	LSZH (Low Smoke Zero Halogen) / PVC
Outer Diameter	7.0mm ± 0.2mm
Fire Ratings	IEC 60332-1 (LSZH), UL CM (PVC)
Testing	Fully Fluke® Tested – Passes all field certification tests
Compliance	ISO/IEC 11801, ANSI/TIA-568.2-D, RoHS, CE
PoE Support	IEEE 802.3af (PoE), IEEE 802.3at (PoE+)
Operating Temperature	-20°C to +75°C
Length Options	100m, 305m reels or custom cuts
Packaging	Wooden Reel / Self-Roll Box

Electrical Characteristics

Property	Unit	Typical / Max Value
Conductor Resistance (DC)	Ω/100 m	Max. 9.38
Resistance Unbalance (within pair)	%	Max. 5
Mutual Capacitance (at 1 kHz)	nF/100 m.	5.6
Capacitance Unbalance (pair to ground)	pF/100 m	Max. 160
Dielectric Strength	V DC (2 sec)	1200 V

NEXUS

CAT6A · S/FTP | OUTDOOR

NETWORK CABLE · OUTDOOR SERIES

CAT6A S/FTP Outdoor Cable

23 AWG · Black · UV-Resistant Waterproof PE Jacket · 305 m

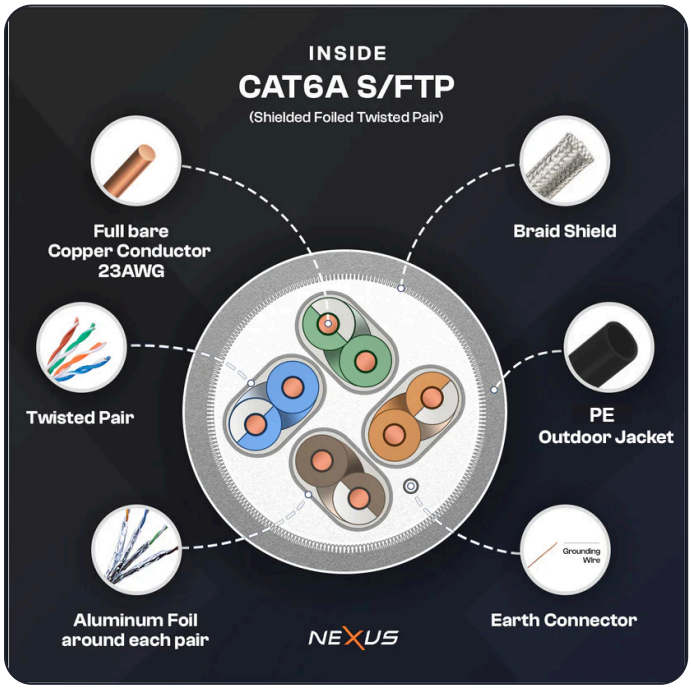
Take your network outdoors with the Nexus CAT6A S/FTP Outdoor 23AWG cable — engineered for 10 Gigabit Ethernet up to 100 m with a UV-resistant, waterproof black PE jacket built to survive direct sunlight, moisture and temperature swings. Every cable is individually Fluke® test-certified, exceeding TIA/EIA and ISO/IEC performance standards. With 100% bare-copper conductors and full double shielding for total noise immunity, it delivers guaranteed performance — from rooftop and building-to-building links to outdoor surveillance and smart infrastructure.



- 99.99% pure bare-copper conductors · 23 AWG (0.57 mm)
- 10 Gbps transfer rate at 500 MHz bandwidth
- UV-resistant, waterproof PE outdoor jacket (black)
- Full S/FTP double shielding + earth/grounding wire
- Complies with all Category 6A cable standards (Class EA)
- Fluke® TIA/EIA-568.B tested up to 500 MHz
- Guaranteed Fluke Pass certification on every reel

AVAILABLE IN

305 m Self Roll-Up Box



INSIDE — S/FTP CONSTRUCTION



CUT DETAIL — FOIL + BRAID SHIELD

Cable Construction

Inside the CAT6A S/FTP Outdoor cable — six engineered layers

01 Full Bare Copper Conductor
Solid 23 AWG (0.57 mm), 99.99% pure copper

02 Twisted Pairs
4 precision-twisted pairs for crosstalk control

03 Aluminium Foil — per Pair
Individual foil screen around each pair (FTP)

04 Overall Braided Shield
Tinned-copper braid for full S/FTP shielding

05 Earth / Grounding Wire
Drain wire for fast, reliable earthing

06 PE Outdoor Jacket
UV-resistant, waterproof black PE outer jacket

STANDARDS & COMPLIANCE

ISO 9001 | ISO/IEC 11801 | ANSI/TIA-568.2-D | RoHS | CE | IEC 60332-1

Technical Specifications

GENERAL & MECHANICAL

Category	CAT6A (Augmented Category 6)
Cable Type	S/FTP (Shielded Foiled Twisted Pair)
Conductor Material	100% Bare Copper
Conductor Size	23 AWG (0.57 mm)
Shielding	Al foil per pair + overall braided screen + grounding wire
Bandwidth	500 MHz
Max Data Rate	10 Gbps (up to 100 m)
Jacket Type	Single PE jacket — UV-resistant, Outdoor (Black)
Outer Diameter	7.2 mm ± 0.2 mm
Fire / Outdoor Rating	IEC 60332-1 · UV-resistant · Waterproof
Testing	Fully Fluke® tested — passes all field certification
Compliance	ISO/IEC 11801, ANSI/TIA-568.2-D, RoHS, CE
PoE Support	IEEE 802.3af / at / bt (PoE / PoE+ / PoE++)
Operating Temperature	-40°C to +75°C
Length Options	305 m reel / self roll-up box, custom cuts
Packaging	Wooden reel / self-roll box

ELECTRICAL CHARACTERISTICS

PROPERTY	UNIT	TYP / MAX
Conductor Resistance (DC)	Ω/100 m	**Max. 9.38**
Resistance Unbalance (within pair)	%	**Max. 5**
Mutual Capacitance (at 1 kHz)	nF/100 m	**5.6**
Capacitance Unbalance (pair to ground)	pF/100 m	**Max. 160**
Dielectric Strength	V DC (2 sec)	**1200 V**

10Gbps
DATA RATE

500MHz
BANDWIDTH

23AWG
CONDUCTOR

-40°C
MIN TEMP