NEXUS

CAT6A · F/UTP | PVC · GREEN

NETWORK CABLE · INDOOR SERIES

CAT6A F/UTP Cable

23 AWG · Green · Flame-Retardant PVC Jacket · 305 m

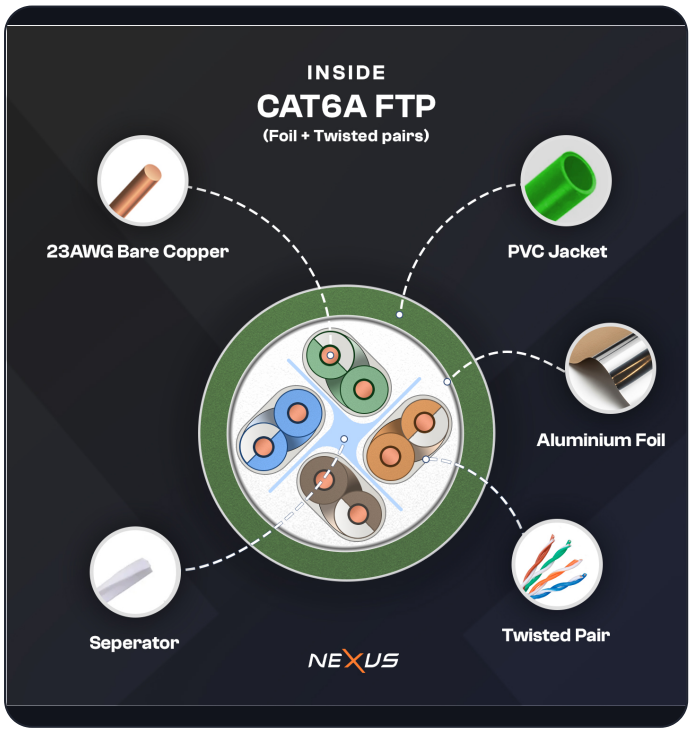
Bring 10-Gigabit performance to every indoor run with the Nexus CAT6A F/UTP 23AWG cable in green. An overall aluminium-foil screen wraps four precision-twisted pairs around a cross separator, delivering strong EMI and crosstalk immunity in a slim, easy-to-pull PVC jacket. Every cable is individually Fluke® test-certified, exceeding TIA/EIA and ISO/IEC performance standards. With 100% bare-copper conductors and flame-retardant construction, it's built for structured cabling, data centers, offices and smart-building backbones.

- 99.99% pure bare-copper conductors · 23 AWG (0.57 mm)
- 10 Gbps transfer rate at 500 MHz bandwidth
- Overall aluminium-foil screen (F/UTP) for EMI immunity
- Cross twist-separator for stable, low-crosstalk pairs
- Flame-retardant green PVC jacket for indoor runs
- Fluke® TIA/EIA-568.B tested up to 500 MHz
- Guaranteed Fluke Pass certification on every reel

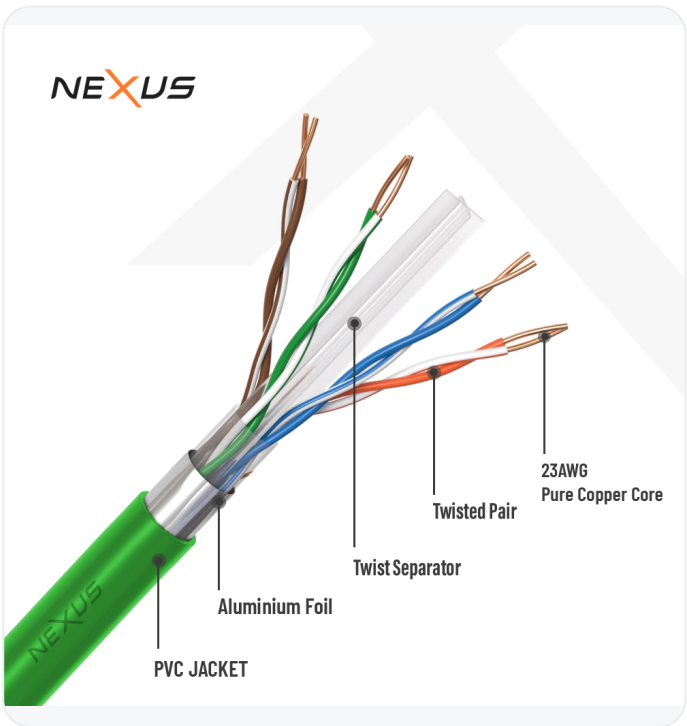


AVAILABLE IN

305 m Self Roll-Up Box



INSIDE — F/UTP CONSTRUCTION



CUT DETAIL — FOIL + COPPER CORE

Cable Construction

Inside the CAT6A F/UTP cable — five 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 Twist Separator
Cross-shaped filler isolating the four pairs

04 Aluminium Foil Screen
Overall foil screen (F/UTP) for EMI immunity

05 PVC Jacket
Flame-retardant green PVC jacket for indoor use

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	F/UTP (Foiled / Unshielded Twisted Pair)
Conductor Material	100% Bare Copper
Conductor Size	23 AWG (0.57 mm)
Shielding	Overall aluminium-foil screen + cross separator
Bandwidth	500 MHz
Max Data Rate	10 Gbps (up to 100 m)
Jacket Type	PVC — flame retardant, Indoor (Green)
Outer Diameter	6.8 mm ± 0.2 mm
Fire Rating	IEC 60332-1 flame retardant · UL CM
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	-20°C to +60°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

F/UTP
CONSTRUCTION