



TECHNICAL DATA SHEET

PRODUCT INFO

PRODUCT NAME
CAT6A S/FTP PATCH LEAD

PRODUCT CODE
LS-GNC6A

PRODUCT CATEGORY
CAT6 A



APPLICATIONS

Data Centers: Ideal for connecting servers, switches, and storage devices with high-speed Ethernet.

Campus Networks: Suitable for building robust connections between buildings or floors.

Critical Environments: Ensures uninterrupted data flow in environments demanding high reliability.

GROVE CAT6A S/FTP PATCH LEAD

The GROVE Cat6A Patch Leads, meticulously crafted from 100% copper to guarantee exceptional data transmission integrity and speed. These leads are purpose-built for high-demand environments such as data centers and campus networks, ensuring reliable performance in critical applications.

Elevate your networking infrastructure with GROVE Cat6A Patch Leads, setting the standard for seamless data transmission and reliability in demanding network environments.

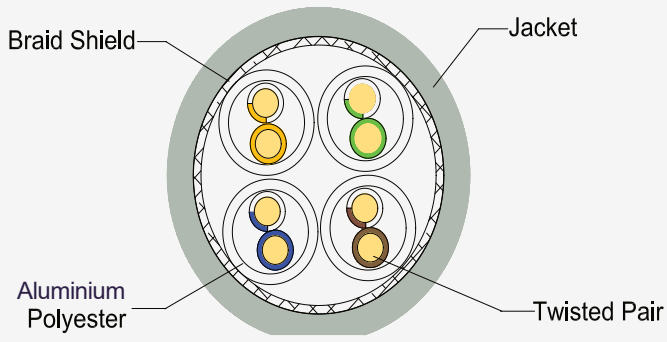


PART NUMBER
LS-GNC6ABLU-0.5
LS-GNC6ABLU-1.0
LS-GNC6ABLU-1.5
LS-GNC6ABLU-2.0
LS-GNC6ABLU-3.0
LS-GNC6ABLU-5.0

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Core:
P1: White / Blue-Blue
P2: White / Orange-Orange
P3: White / Green-Green
P4: White / Brown-Brown

KEY FEATURES PRODUCT

100% COPPER CONSTRUCTION

Ensures superior conductivity and durability.

HIGH-SPEED DATA TRANSMISSION

Supports Cat6A standards for reliable, high-speed networking.

INDUSTRY COMPLIANCE

Meets RCM/A-Tick (S008), TIA-568-C.2 Cat6A, and RoHS standards.

ROBUST DESIGN

Built to withstand rigorous conditions for long-term reliability.

Colour

TECHNICAL DATA SPECIFICATION

Construction:

Conductor Material		Stranded Bare Copper
Conductor Number		8C (4 pairs)
Cable AWG		26
Construction ($\pm 0.01\text{mm}$)		7/0.16
Shield Overlap		Aluminum / Polyester $\geq 25\%$
Braid Shield 16/5/0.12 Coverage		Aluminum Magnesium Alloy Wire $\geq 40\%$
Insulation	Material	Skin - Foam - Skin
	Nom Thickness (mm)	0.26
	Diameter ($\pm 0.05\text{mm}$)	1.02
Jacket	Material	LSZH
	Nom Thickness (mm)	0.50
	Diameter ($\pm 0.30\text{mm}$)	6.2

Electrical Performance:

Max. Conductor DC Resistance (Ω/km)		148
Min. Insulation Resistance ($\Omega\text{M-KM}$)		5000
Dielectric Strength		DC-1KV/1 Min.
1.0-250 MHZ Characteristic Impedance (ohms)		100 \pm 15
1.0-500 MHZ Delay Skew (ns/100m)		≤ 45
Pair to Ground Capacitance Unbalance (Pf/100m)		≤ 300
Resistance Unbalance between pairs (%)		≤ 4
Max. Mutual Capacitance (nF/100m)		5.6
Before Aging	Tensile Strength (Mpa)	≤ 9
	Elongation (%)	≤ 100
After Aging 100°C*24h*7d	Tensile Strength	$\leq 75\%$
	Elongation (%)	≤ 50
Velocity of Propagation NVP		78%