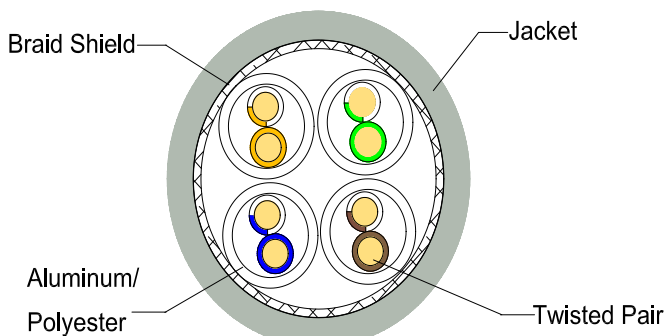


## Part Number: LS-GNC6A

### Description: GROVE CAT6A Patch Lead

GROVE Cat6A Patch Leads, meticulously crafted from 100% copper, are engineered for use in scenarios where high data transmission, data integrity, and transfer speeds are crucial, such as in data centers and campus environments. These patch leads adhere to industry standards, including RCM/A-Tick (S008), TIA-568-C.2 Cat6A, and RoHS compliance, ensuring top-notch performance and reliability. Elevate your networking infrastructure with GROVE Cat6A Patch Leads, meeting and exceeding industry standards for a seamless and high-speed data transmission experience.



#### Colour Codes:

Insulation Colour:

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

PART NUMBER	DESCRIPTION	TERMINATION
LS-GNC6ABLU-0.5	GROVE 0.5M Cat6A S/FTP Blue Patch Lead	TERMINATED
LS-GNC6ABLU-1.0	GROVE Patch Lead 1.0M Cat6A S/FTP Blue	TERMINATED
LS-GNC6ABLU-1.5	GROVE Patch Lead 1.5M Cat6A S/FTP Blue	TERMINATED
LS-GNC6ABLU-2.0	GROVE Patch Lead 2.0M Cat6A S/FTP Blue	TERMINATED
LS-GNC6ABLU-3.0	GROVE Patch Lead 3.0M Cat6A S/FTP Blue	TERMINATED
LS-GNC6ABLU-4.0	GROVE Patch Lead 4.0M Cat6A S/FTP Blue	TERMINATED
LS-GNC6ABLU-5.0	GROVE Patch Lead 5.0M Cat6A S/FTP Blue	TERMINATED
LS-GNC6ABLU-8.0	GROVE 8M Cat6A S/FTP Blue Patch Lead	TERMINATED
LS-GNC6ABLU-10.0	GROVE 10M Cat6A S/FTP Blue Patch Lead	TERMINATED



Technical Support: 1300 732 254

Web: [www.grovecoms.com.au](http://www.grovecoms.com.au)

Unit 3&4, 15 Drake Street, Osborne Park WA 6017

Part Number: LS-GNC6ABLU

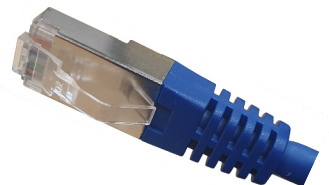
Description: GROVE CAT6A PATCH LEADS

**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 ( $\Omega/\text{km}$ )		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)		$\leq 45$
Pair to Ground Capacitance Unbalance (Pf/100m)		$\leq 300$
Resistance Unbalance between pairs (%)		$\leq 4$
Max. Mutual Capacitance (nF/100m)		5.6
Before Aging	Tensile Strength (Mpa)	$\leq 9$
	Elongation (%)	$\leq 100$
After Aging 100°C*24h*7d	Tensile Strength	$\leq 75\%$
	Elongation (%)	$\leq 50$
Velocity of Propagation NVP		78%

**Test Requirement:**

Fluke Channel Patch Cord Test

**Standards:**

ANSI/TIA-568-c.2 EN 50575

**Applications:**

Connection between computer network card and module, connection between distribution frame and wiring, connection between distribution frame and HUB or switch



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