

Part Number: PL-JBIL6A

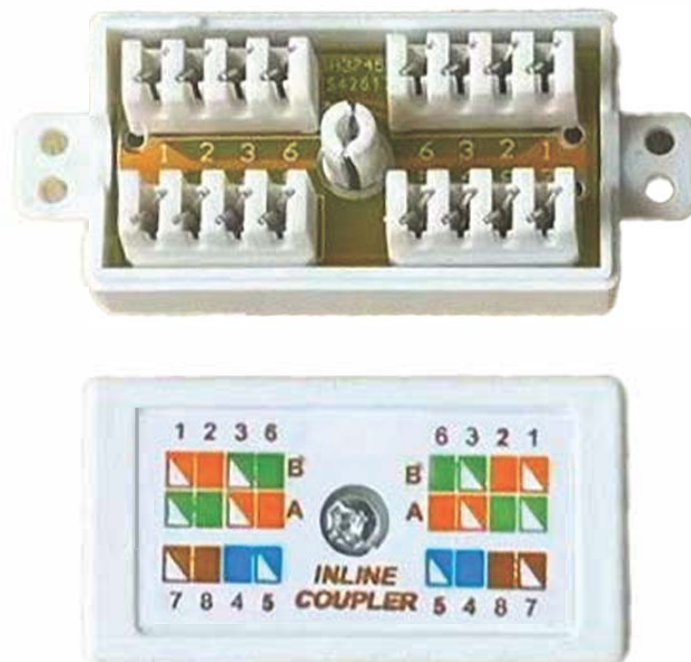
PLANET PL-JBIL6A is a Category 6A junction box for direct cable-to-cable connection using punch-down IDC termination. It is intended to join, repair or extend two four-pair balanced copper cables without adding an RJ45 plug-to-jack interface. The supplied product image shows a shielded metal enclosure and PCB-based feed-through construction.

The supplied source specifies Category 6A (or lower) cable support, dual-type IDC punch-down terminals, cable-tie retention, double-sided tape or screw mounting, and PCB construction for reliability. Category 6A / 500 MHz performance is presented as the intended system performance and depends on correct termination and the complete installed channel.

CAT6A Up to 500 MHz	DUAL IDC Cable-to-Cable	PCB Feed-Through	SHIELDED Metal Enclosure
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"Protected Termination. Controlled Extension. Reliable Connectivity."

1. Product Construction



PL-JBIL6A - Actual product construction view based on the supplied image

Parameter	Specification
Product Type	Category 6A cable-to-cable junction box
Part Number	PL-JBIL6A
Connection Architecture	Feed-through PCB with dual IDC punch-down termination
Cable Interfaces	2 x four-pair balanced copper cable sides
Enclosure	Shielded metal enclosure shown in the supplied product image

TECHNICAL SPECIFICATIONS

PL-JBIL6A | CAT6 JUNCTION BOX

2. Technical Specifications

Parameter	Specification
Category / Frequency	Category 6A / up to 500 MHz (marking visible on supplied product)
Supported Cabling	Category 6 / and lower balanced copper cabling, as stated in the supplied source
Termination Type	Dual-type IDC punch-down terminals
Connection Type	Direct cable-to-cable feed-through; no RJ45 mating interface
Internal Architecture	PCB feed-through interconnect
Housing Configuration	Shielded metal enclosure shown; the supplied source also mentions shielded and unshielded configurations
Strain Relief	Cable tie provision / cable retention
Mounting	Double-sided adhesive tape or screw mounting, as stated in the supplied source
Pairs / Conductors	4 pairs / 8 conductors per connected cable
Standards Reference	ANSI/TIA-568.2-E and ISO/IEC 11801-1 as system-level Category 6A / Class E design references

3. Key Features

- Direct cable-to-cable junction for structured copper cabling.
- Category 6A / 500 MHz intended performance; also usable with Category 6 and lower cabling.
- Dual IDC punch-down termination architecture.
- PCB feed-through design for controlled pair-to-pair interconnection.
- Shielded metal enclosure in the supplied product configuration.
- Cable tie / retention provision to reduce mechanical stress on IDC terminations.
- Double-sided tape or screw-mount installation options.

4. Applications

- Repair or extension of Category 6 / Category 6 horizontal copper cable where permitted by the project design.
- Protected transition or consolidation points in structured cabling systems.
- Telecommunication rooms, cabinets, raised floors, ceilings and protected service spaces.

5. Installation & Performance Notes

- Maintain pair twist as close as practical to the IDC termination to preserve high-frequency performance.
- Terminate both cable ends consistently and verify continuity / wire map after installation.
- For shielded cabling, shield continuity and bonding must be maintained according to the project grounding design.

6. Warranty

25-Year System Warranty

Subject to proper installation, use within an approved PLANET structured cabling system and applicable warranty terms.

Packing 1pc / PE bag

BOX	50 PCS
Carton	500 PCS