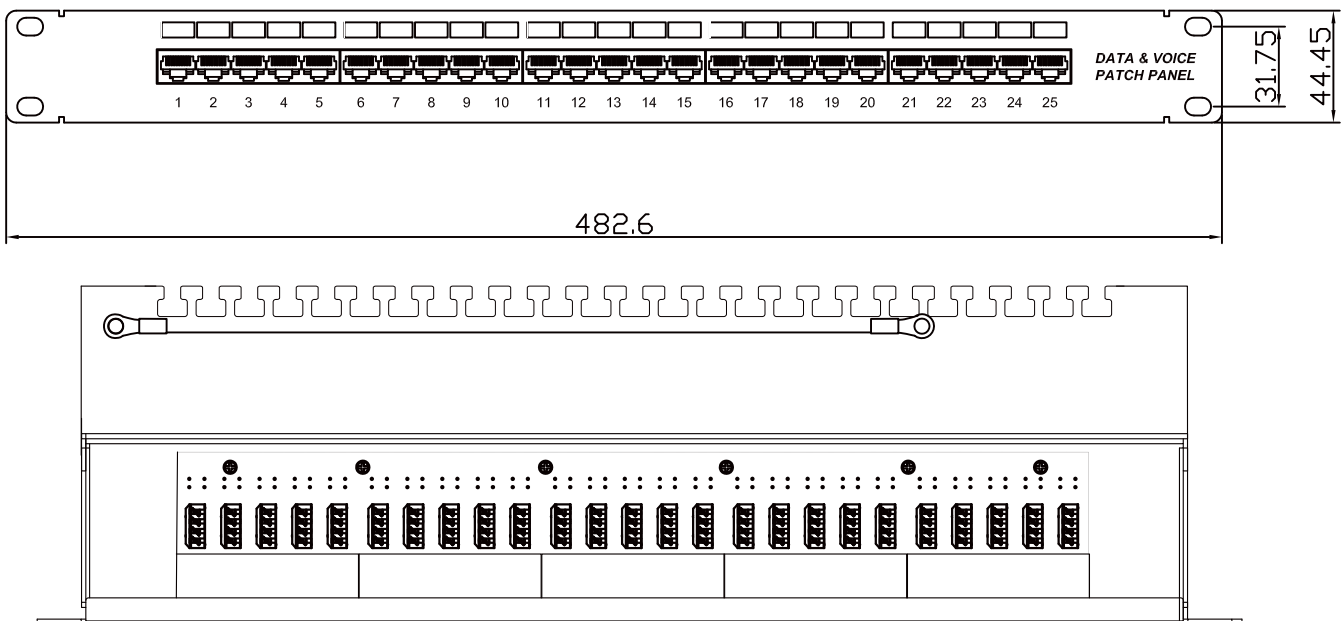
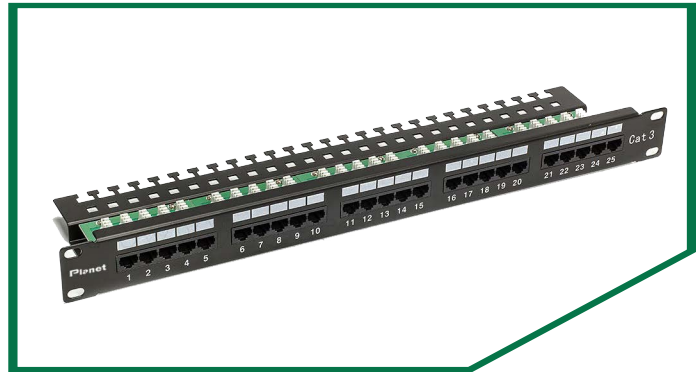


Part Number: PL-PP25UL3



1. GENERAL DESCRIPTION

A 482.6 mm (19-inch), 1U, 25-port loaded unscreened patch panel for analog voice and ISDN/telephone distribution. It provides front unkeyed RJ45-type 8P8C outlets and rear LSA-style insulation-displacement terminations. Any Category 3 or data-service statement applies only to the exact approved pin mapping and construction and shall be supported by the applicable component or installed-link test documentation.

25 PORTS Loaded panel	1U HEIGHT 44.45 mm rack unit	19-INCH 482.6 mm series	CAT.3 Voice / ISDN
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2. PRODUCT HIGHLIGHTS

- 25 front unkeyed RJ45-type 8P8C outlets, sequentially identified 1 through 25.
- Rear LSA-style IDC terminations for 26–22 AWG conductors (0.40–0.64 mm bare-conductor diameter), solid or stranded as declared.
- Category 3, nominal 100 Ω balanced connectivity up to 16 MHz only where the exact assembly and mapping are verified by the applicable report.
- 482.6 mm (19-inch) rack format in 1U height (44.45 mm), with 31.75 mm vertical mounting-hole spacing shown in the source drawing.
- Central and side cable-anchor features, pair manager and dual chassis earthing points support orderly routing and chassis bonding.
- Wiring drawings, component/category reports, material declarations and inspection records are available upon request for the exact part number and production lot.

TECHNICAL SPECIFICATIONS

25 PORT | 1U | CAT.3 VOICE

3. TECHNICAL SPECIFICATIONS

Parameter	Specified Requirement / Technical Scope
Product type	25-port loaded Category 3 voice/ISDN patch panel, unscreened
Part number	PL-PP25UL3
Port capacity	25 integrated outlets, sequentially identified 1 through 25
Rack format / drawing	482.6 mm (19-inch), front rack/cabinet mounting; 1U (44.45 mm) height and 31.75 mm vertical mounting-hole spacing shown; depth and complete tolerances per approved drawing
Intended applications	Analog voice/POTS and ISDN/telephone distribution. Any data service is conditional on the exact pair/pin mapping and verified component/link performance
Front interface	Unkeyed RJ45-type 8P8C modular outlets
Rear termination	LSA-style insulation-displacement contacts (IDC); use the manufacturer-approved termination tool and procedure
Conductor compatibility	26–22 AWG; 0.40–0.64 mm bare-conductor diameter; solid or stranded as declared. Confirm insulation outside diameter and strand construction against the approved IDC data
Wiring / pin mapping	Follow the supplied wiring label and approved drawing. Do not assume T568A/T568B or Ethernet pair assignment without explicit product documentation
Category / bandwidth	Category 3, nominal 100 Ω balanced connectivity up to 16 MHz, conditional on the exact verified assembly. Certify the installed link where a category claim is required
Chassis / finish	Mild-steel chassis with black finish as declared; exact thickness, coating and corrosion performance per approved BOM/report
Cable management	Central and side cable-anchor features, cable-tie points and pair manager; provide strain relief without damaging conductor insulation
Bonding / shielding	Unscreened signal path. Dual chassis earthing points and supplied earth lead are for chassis/rack bonding only; no signal-screen continuity is claimed
Validation / durability	Port retention, mating and IDC durability, contact resistance and applicable Category 3 transmission parameters shall be supported by the manufacturer's report; no unverified cycle or resistance value is claimed
PoE / environment	No base PoE/remote-power claim. Indoor dry rack/cabinet use; temperature, flame, IP, outdoor and UV claims require exact product documentation
Package contents	Panel, wiring label, cable ties, rack-mounting accessories, pair manager, earth lead and short installation instruction; exact contents per approved packing list

4. STANDARDS AND TECHNICAL SCOPE

Reference	Status / Application
IEC 60297-3-100:2008	Mechanical reference for the 482.6 mm (19-inch) rack/panel interface
ANSI/TIA-568.2-E (2024)	Current balanced twisted-pair component/cabling reference; supersedes ANSI/TIA-568.2-D and the obsolete ANSI/TIA/EIA-568-C.2 reference
ISO/IEC 11801-1:2017 incl. Cor. 1:2018 and Amd. 1:2025 / EN 50173-1	Generic-cabling references. Category/application compliance is conditional on the exact approved assembly, mapping and test evidence
IEC 60603-7:2020	8-way unshielded connector interface and common mechanical, electrical and environmental test reference
ANSI/TIA-607-E (2024)	Telecommunications bonding/grounding reference for the panel chassis and rack; follow project design and local electrical requirements
RoHS / REACH / UL / ETL / CE / CPR	No base claim without a valid declaration, listing or certificate identifying PL-PP25UL3 and the exact ordered construction