

Premium-Line 176122412

Category 6 24-Port Unshielded Patch Panel - 1U, Dual Type IDC, Black

Product Overview

Premium-Line 176122412 is a Category 6 24-port unshielded patch panel designed for structured cabling installations inside standard 19-inch racks. It supports Class E channel requirements and is suitable for professional data, voice, video and Gigabit Ethernet network applications.

Key Features

- 24 RJ45 ports in standard 1U height.
- Cat.6 unshielded patch panel for structured LAN installations.
- Dual Type IDC terminals accept 22-26 AWG solid cable.
- Termination compatible with 110 and Krone tools.
- SECC metal frame with durable black finish.
- Complies with ANSI/TIA-568.2-D, ISO/IEC 11801-1 and EN 50173-1 Class E.
- RoHS compliant and ETL verified.
- Supplied with cable ties and M6 x 12 screw set.

Main Specifications

Part Number	176122412
Brand	Premium-Line
Product Type	Category 6 Unshielded Patch Panel
Port Count / Height	24 Ports / 1U
Rack Compatibility	Standard 19-inch rack installation
IDC Type	Dual Type IDC
Cable Compatibility	22-26 AWG solid cable
Termination Tools	110 or Krone tools
Panel Material	SECC metal frame
Panel Thickness	Over 1.0 mm / official datasheet lists SECC 1.5 mm
Color	Black
Packing Size	50 x 24.5 x 25.5 cm

Connector Characteristics

Jack Contact Material	Phosphor bronze
Jack Contact Plating	50 micro-inch gold plating over nickel in contact area
Jack Operating Life	Minimum 750 insertions
IDC Contact Material	Phosphor bronze
IDC Contact Plating	Tin plated over nickel / 100 micro-inch nickel plated over phosphor bronze
IDC Plastic Housing	PC
IDC Operating Life	Minimum 250 re-terminations

Electrical & Environmental Characteristics

Dielectric Strength	1000V RMS for 1 minute
Current Rating	1.5A max.
Insulation Resistance	10 MΩ min.
Contact Resistance	2 mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10% to 90%, non-condensing

Supported Applications

- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice, video and other structured cabling applications

Compliance

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1
- EN 50173-1 Class E
- EU RoHS Directive
- ETL Verified

Notes

This datasheet is prepared from publicly available product information from El Kayan Technology and Premium-Line product resources. Specifications should be confirmed against the latest manufacturer documentation before final project submittal.

Source	El Kayan Technology product page; Premium-Line official product page and datasheet PDF.
Prepared For	Connect Gates product documentation and quotation support.