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PowerMAX+ 1U 48P Cat.6A UTP Tray Patch Panel

The increasing requirement for faster access to greater volumes of data, evolving network standards and fast developing technology make it necessary for infrastructure managers to be able to provide higher bandwidth connections to the desktop via Category 6A. In order to complete these high bandwidth connections the patch panel connections must be able to allow for a high performance termination with minimal NEXT and Alien Cross Talk.

DINTEK's PowerMAX+™ Category 6A 48 & 24 Port UTP Tray Patch Panels provide for these premium terminations allowing the horizontal cabling to effectively connect to the back bone with little effect to overall bandwidth.



Features

- Designed to be quick and easy to install and terminate
- Compatible with CAT.6A component performance (568-2.D)



Applications

- Voice; T1
- ISDN
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps 1.2/2.4 Gbps ATM
- 1 Gigabit Ethernet
- 10Gb Ethernet
- Power Over Ethernet

Standards Conformance

- Meets all requirement specified in connecting hardware req. for:
- ISO/IEC 11801, Category 6A
- IEC 60603-7-51
- ANSI/TIA-568-C.2, Category 6A
- UL 1863 safety listed
- ETL verified
- UL 94V-0 flammability standard

Ordering Information

Product Number	Product Name	Packing
1406-05004	PowerMAX+ 1U 48 Port Cat.6A UTP Tray Patch Panel	1pcs/box

Technical Specifications

Construction

Frame

Material	Cold Rolled Steel
Type	Plate: SPCC-SD 16G

Connectors

Contact Type	Spring wire / contact blades
Material	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold over 70~100 micro-inch of Nickel
	Housing: High-impact, FLAME-RETARDANT plastic, UL94V-0 rated

Rear Terminals

Terminal Type	110 type IDC termination
Material	Phosphor Bronze Alloy with 100 micro-inch 100% Sn Alloy

Physical Ranges

Temperature Range

Storage	-40 to +70°C
Operational	-10 to +60°C

Relative humidity

Operational	Max. non-condensing 93%
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Retention

30lbs min between the jack and plug.

Insertion/Extraction life

750 cycles minimum

Number of IDC terminations

200 minimum

Total mating Force

800gms for a 8 wire leads minimum

Electrical

Insulation Resistance between conductors	500 MegΩ min.@ 100V d.c
Dielectric Withstanding Voltage	1000 V d.c. or a.c. Peak Contact to Contact @ 60 Hz for 1 MIN.
Spring Wire Contact Resistance	20 mΩ Max.
Voltage/Current Rating	1.5 AMPS at 20°C
IDC Contact Resistance	2.5 mΩ Max

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