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## PowerMAX+ 1U 48P Cat.6A FTP 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 Cat.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 Shielded 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
1406-05005	PowerMAX+ 1U 48 Port Cat.6A FTP Tray Patch Panel	1pcs/box

## Technical Specifications

### Construction

#### Frame

<b>Material</b>	Zinc alloy full shielded
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#### Connectors

<b>Contact Type</b>	Spring wire / contact blades
<b>Material</b>	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

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

### Physical Ranges

<b>Accepted Wire Size</b>	22~24AWG, stranded or solid wire
<b>Temperature Range</b>	
<b>Storage</b>	-40 to +70°C
<b>Operational</b>	-10 to +60°C
<b>Relative humidity</b>	
<b>Operational</b>	Max. non-condensing 93%
<b>Retention</b>	30lbs min between the jack and plug.
<b>Insertion/Extraction life</b>	750 cycles minimum
<b>Number of IDC terminations</b>	200 minimum
<b>Total mating Force</b>	800gms for a 8 wire leads minimum

### Electrical

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

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