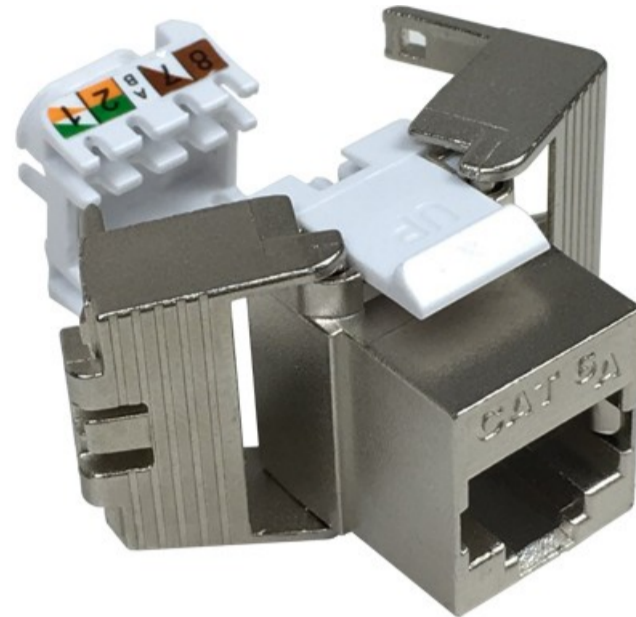


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# PowerMAX+ Cat.6A Toolless Shielded Jack

DINTEK PowerMax+™ Cat.6A fully shielded toolless horizontal keystone jack offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die cast zinc alloy connector body housing. The shielded connector is dual color coded for either 568A or 568B wiring schedules.

Being specifically designed for high-speed data transmission, the DINTEK PowerMax+™ Cat.6A fully shielded toolless horizontal keystone jack is also backwards compatible with shielded Cat.6 and Cat.5e systems.



## Features

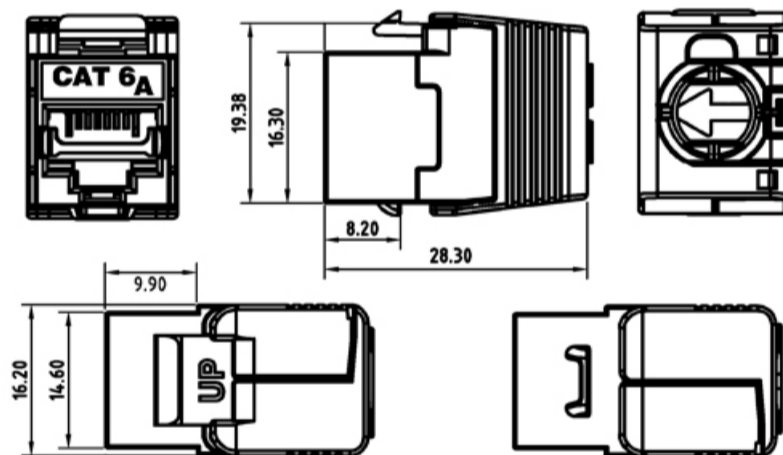
- Meets all requirements of ANSI/TIA-568-2.D for Cat.6A
- Draft ISO/IEC 11801 amendment 2, Cat.6A
- Draft ISO/IEC 60603-7
- FTP 90° high density
- Toolless, easy termination, no push down tool needed
- Accepts 22~24AWG, stranded or solid wire
- Diecasting housing design
- Complies with FCC part 68 Subpart F and IEC 60603-7
- Metalized cap design to reduce alien crosstalk
- Wiring: T568A/B

## Standards Conformance

- UL, C(UL), ETL Verified
- ISO/IEC11801 2nd edition
- ANSI/TIA Standard 568-2.D
- CENELEC EN 50173

## Applications

- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring
- Voice



## Ordering Information

Product Number	Product Name	Orientation	Color	Std Pkg Qty
1305-05017	PowerMAX+ Cat.6A Toolless Shielded RJ45 Jack	Vertical	Silver	1pcs/PE bag

## Technical Specifications

### Construction

#### Body

**Connector Housing** High Impact Flame-Retardant Plastic

**Standard** UL94v-0 rated

#### Front Connection

**Contact Type** Spring Wire

**Material** Phosphor bronze alloy plated with 50 micro-inch of gold over 70~100 micro-inch of nickel

#### Rear Terminals

**Terminal Type** IDC

**Material** Phosphor Bronze alloy with 10 micro-inch 100% Sn alloy

### Physical Ranges

<b>Temperature Range</b>	Storage : -40 to +70°C   Operational : -10 to +60°C
<b>Relative humidity</b>	Operational : Max. non-condensing 93%
<b>Retention</b>	50N (11 lbf) for 60s ± 5s
<b>Insertion/Extraction life</b>	750 cycles minimum
<b>Number of IDC terminations</b>	200 minimum
<b>Plug Retention Force</b>	Retention: 50N for 60sec

### Electrical

<b>Insulation Resistance</b>	500 MΩ 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 mΩ Max
<b>Voltage/Current Rating</b>	150VAC/1.5A
<b>IDC Contact Resistance</b>	2.5 mΩ Max

## Terminal Demonstration



Strip 40mm of sheath from cable using stripper



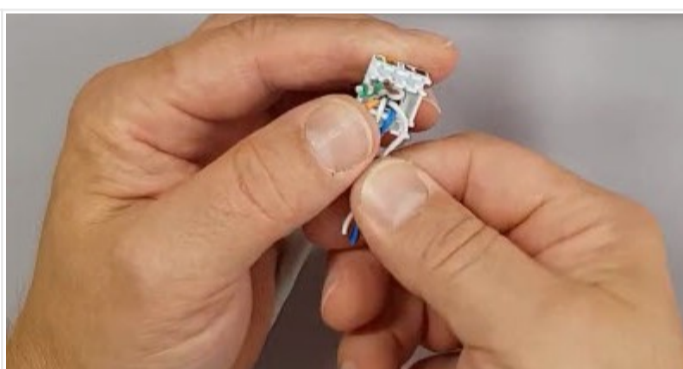
Roll back the braid or drain wire onto cable so it is out of the way



Separate the four pairs and remove the foil wrap from around each pair



Insert the wires through the back of the wire forming cap



Lay the wires into their correct configuration, either T568A or T568B



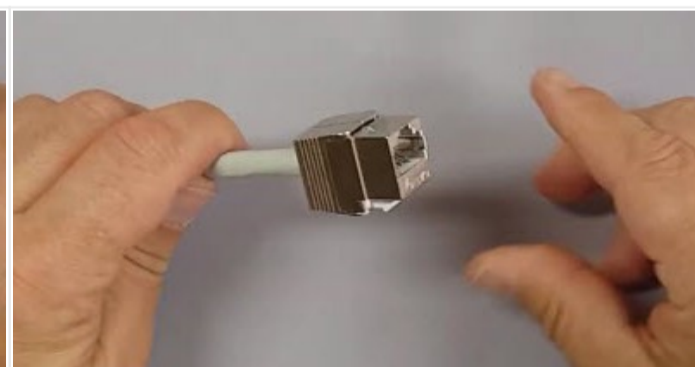
Using side cutters, cut the wires level with the wire forming cap



Inset the wire forming cap into the rear of the jack body housing



Roll back the braid or drain wire so it will fit under the jack body. Close the rear covers, pressing firmly until the jaws close and click into place



The finished connector should not show any wires at the back, the jacket should reach to the rear of the connector and the braid or drain wire should be tidy underneath the shield body

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