DATA SHEET

1305-05008

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PowerMAX+ Cat.6A ezi-JACK Horizontal Jack

DINTEK PowerMax+™ CAT.6A Unshielded ezi-JACK90™ offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilizing robust high impact plastic construction.

The 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 Unshielded ezi-JACK90™ is also backwards compatible with Cat.6 and Cat.5e systems.

Combined with other DINTEK PowerMAX+™ products, they are the perfect solution to your voice and data communications needs.

Features

- Meet ANSI/TIA-568-C.2 Cat.6 15M Short Link requirements.
- IDC connector with large space of each pair to improve crosstalk.
- Comply with FCC part 68 and IEC 60603-7
- Wiring: T568A/B

Applications

- Voice; T1; ISDN
- 10GBASE-T
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100BASE-T Ethernet (IEEE802.3)
- 155/622Mbps 1.2/2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550MHz Broadband Video

Standards Conformance

- UL Verified
- ISO/IEC11801 2nd edition
- ANSI/TIA Standard 568-2.D
- CENELEC EN 50173

Ordering Information

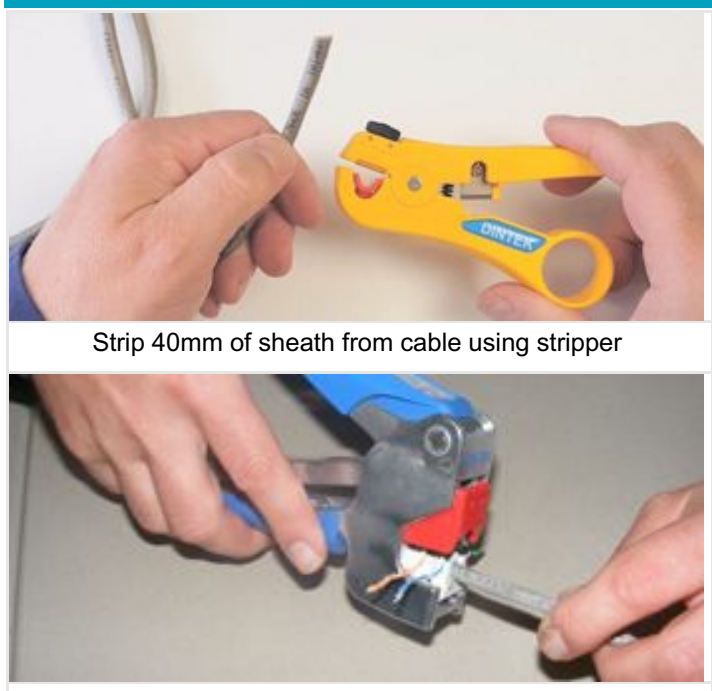
Product Number	Product Name	Orientation	Color	Std pkg Qty
1305-05008	PowerMAX+ Cat.6A ezi-JACK Horizontal RJ45 Jack	Horizontal	White	1pcs/PE Bag

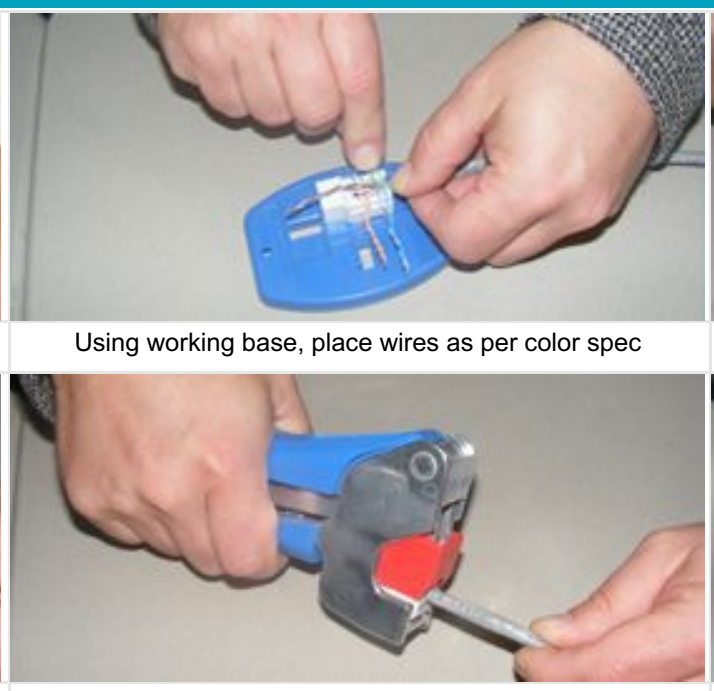
Technical Specifications

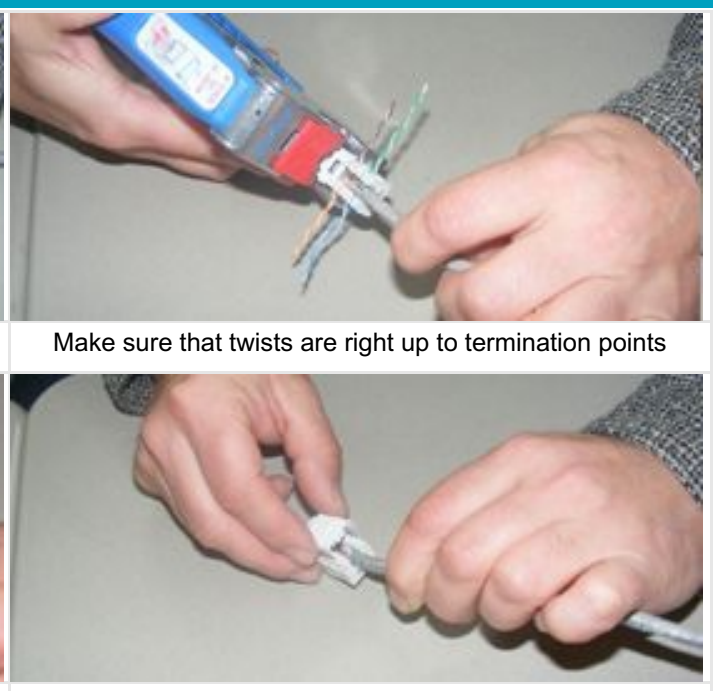
Construction	
Body	
Connector Housing	High-impact, Flame-Retardant Plastic
Standard	UL94V-0 rated
Front Connection	
Contact Type	Spring Wire
Material	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold over 70~100 micro-inch of Nickel
Rear Terminals	
Terminal Type	IDC
Material	Phosphor Bronze Alloy with 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%
Retention	30lbs min between the jack and plug
Insertion/Extraction life	750 cycles minimum
Number of IDC terminations	200 minimum
Total Mating Force	800 grams for 8 wire leads MIN
Electrical	
Insulation Resistance	500 MΩ min.@ 100V d.c
Dielectric Withstanding Voltage	1000V, RMS, 60HZ, 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

Termination Demonstration

Horizontal ezi-JACK


Strip 40mm of sheath from cable using stripper


Using working base, place wires as per color spec


Make sure that twists are right up to termination points

Insert jack into ezi-TOOL with Red cutting blade

Squeeze handles together terminating and trimming wires

Check terminations, then place dust cap onto jack

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