Keystone Modular Data Jacks

IDEAL ®

NEW

CAT 6
CAT 5e
CAT 3

■ **Keystone modular data jacks for CAT6/CAT5e/CAT3 twisted pair punchdown termination**

■ **IDC tower design simplifies jack wiring process**

■ **110 style termination for use with standard 110 blade punchdown tools**

■ **Internal printed circuit board design for improved RF performance**

■ **Meets ANSI/TIA-568-C.2 specifications; UL Listed**

■ **Multiple color variations for visual jack identification and system coding**

■ **Standard size single gang faceplates**

■ **Standard keystone dimensions offer compatibility with other keystone jacks and faceplates**

All jacks feature standard 110 style termination contacts with an internal printed circuit board design

IDEAL Keystone Jacks are high performance modular jack connectors designed to exceed the CAT5e or CAT6 requirements of ANSI/TIA-568-C.2 giving installers the ability to use these products in residential and commercial installations for applications such as Gigabit Ethernet.

All jacks feature a robust internal printed circuit board design used to help reduce NEXT (near-end cross talk) and improve RF performance at higher frequencies.

The IDC tower design and layout help to simplify and speed up the wiring and termination process. Tapered tower tops help to separate each pair into the individual IDC slot without the need to untwist each pair. This allows pairs to easily maintain the recommended maximum of 1/2" of untwisting per pair from the cable jacket.

Twisted pairs stay together. With the PCB design, each color pair is terminated side by side, in a consistent pattern. Less time spent untwisting, separating and routing individual conductors to the IDC contacts.

Jacks have both 568A and 568B wiring diagrams and pinouts pre-labeled at each IDC location.

The IDEAL Keystone Jacks have an industry standard (14.5mm x 16mm) profile interface and latch location so they are compatible with many other keystone style sized panels, racks, and plates.

Standard midsized (2.75" x 4.75") faceplates in both white and ivory colors are available in 1, 2, 3, 4, 6 and 0 port configurations. 1 in. mounting screws are included and secured to the back of the faceplate. Blank inserts can be used to fill in unused faceplate ports.
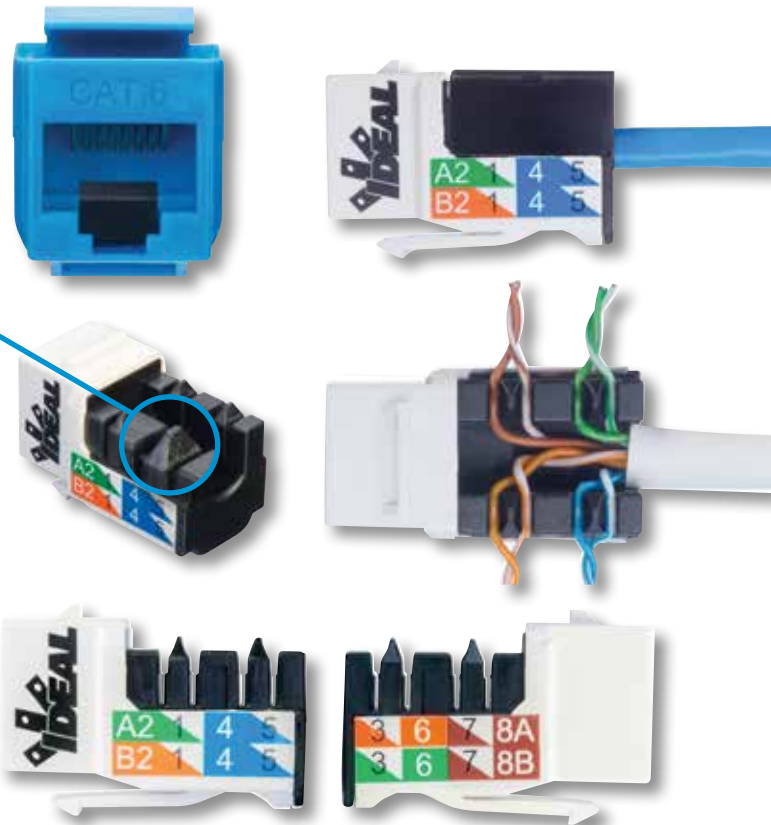
Jack Specifications

Cable Types	8 Conductor UTP Copper Cables 22-24 AWG (CAT5e/CAT6)
Max. Cable O.D.	.260"
Termination Tool	110 Punchdown
Housing Material	PC UL94-V0 Rated, Multiple Colors
Contact Finish	50µ Gold over 50µ Nickel
IDC Housing Material	PC UL94-V0 Rated, Black
IDC Terminal Contact	Phosphor Bronze, 50µ Nickel
IDC Cover	PC UL94-V0, Black
Circuit Board	FR4
Certifications and Standards	UL Listed cULus; ANSI/TIA-568-C-2, ISO/IEC 11801 Class D(CAT5e)/E(CAT6) FCC Part 68 Compliant; RoHS Compliant
Supports	Dual T568A and T568B wiring
Connector Mating Cycles	750 minimum

Electrical Specifications

Current Rating	1.5 Amps
Insulation Resistance	50mΩ
Contact Resistance	20mΩ
DC Resistance	0.1Ω
Dielectric Withstanding Voltage	1000V

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14RS Comm. Circuit ACCY

Ordering Information

Description	Model No.	Package Qty.	Part No.
Category 5e Modular Jacks			
CAT5e 100MHz 8P8C Keystone Jack-White	MJN5WH	Bag of 1	89-750WH
CAT5e 100MHz 8P8C Keystone Jack-Blue	MJN5BU	Bag of 1	89-750BU
CAT5e 100MHz 8P8C Keystone Jack-Orange	MJN5OR	Bag of 1	89-750OR
CAT5e 100MHz 8P8C Keystone Jack-Black	MJN5BK	Bag of 1	89-750BK
CAT5e 100MHz 8P8C Keystone Jack-Red	MJN5RD	Bag of 1	89-750RD
CAT5e 100MHz 8P8C Keystone Jack-Green	MJN5GN	Bag of 1	89-750GN
CAT5e 100MHz 8P8C Keystone Jack-Yellow	MJN5YL	Bag of 1	89-750YL
CAT5e 100MHz 8P8C Keystone Jack-Ivory	MJN5IV	Bag of 1	89-750IV
CAT5e 100MHz 8P8C Keystone Jack-Grey	MJN5GY	Bag of 1	89-750GY
Category 6 Modular Jacks			
CAT6 250MHz 8P8C Keystone Jack-White	MJN6WH	Bag of 1	89-760WH
CAT6 250MHz 8P8C Keystone Jack-Blue	MJN6BU	Bag of 1	89-760BU
CAT6 250MHz 8P8C Keystone Jack-Orange	MJN6OR	Bag of 1	89-760OR
CAT6 250MHz 8P8C Keystone Jack-Black	MJN6BK	Bag of 1	89-760BK
CAT6 250MHz 8P8C Keystone Jack-Red	MJN6RD	Bag of 1	89-760RD
CAT6 250MHz 8P8C Keystone Jack-Green	MJN6GN	Bag of 1	89-760GN
CAT6 250MHz 8P8C Keystone Jack-Yellow	MJN6YL	Bag of 1	89-760YL
CAT6 250MHz 8P8C Keystone Jack-Ivory	MJN6IV	Bag of 1	89-760IV
CAT6 250MHz 8P8C Keystone Jack-Grey	MJN6GY	Bag of 1	89-760GY
Category 3 Modular Jacks			
CAT3 6P6C Voice Grade Keystone Jack-White	MJN3WH	Bag of 1	89-780WH
CAT3 6P6C Voice Grade Keystone Jack-Ivory	MJN3IV	Bag of 1	89-780IV
Faceplates			
0 Port Keystone Faceplate-White	KFP0WH	Bag of 1	89-740WH
1 Port Keystone Faceplate-White	KFP1WH	Bag of 1	89-741WH
2 Port Keystone Faceplate-White	KFP2WH	Bag of 1	89-742WH
3 Port Keystone Faceplate-White	KFP3WH	Bag of 1	89-743WH
4 Port Keystone Faceplate-White	KFP4WH	Bag of 1	89-744WH
6 Port Keystone Faceplate-White	KFP6WH	Bag of 1	89-746WH
0 Port Keystone Faceplate-Ivory	KFP0IV	Bag of 1	89-740IV
1 Port Keystone Faceplate-Ivory	KFP1IV	Bag of 1	89-741IV
2 Port Keystone Faceplate-Ivory	KFP2IV	Bag of 1	89-742IV
3 Port Keystone Faceplate-Ivory	KFP3IV	Bag of 1	89-743IV
4 Port Keystone Faceplate-Ivory	KFP4IV	Bag of 1	89-744IV
6 Port Keystone Faceplate-Ivory	KFP6IV	Bag of 1	89-746IV
Blank Inserts for Keystone Faceplate-White-10PK	KIWH	Bag of 10	89-784WH
Blank Inserts for Keystone Faceplate-Ivory-10PK	KIIV	Bag of 10	89-784IV

White - WH

Blue - BU

Orange - OR

Black - BK

Red - RD

Green - GN

Yellow - YL

Ivory - IV

Grey - GY

Dust Caps

CAT6

31.08

8.20

1.60

16.00

19.85

14.50
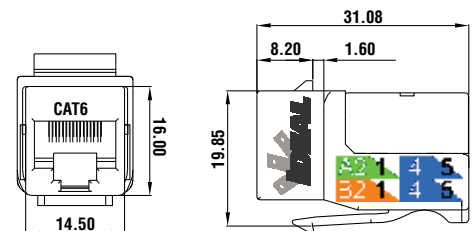
Once installed, jacks can be tested with an IDEAL tester to verify the required performance of the installation.

- **VDV** and **VDVII** Wiremappers can be used to verify continuity and correct wire terminations at both ends of the cable, plus provide basic troubleshooting information and guidance for the installer.

- **SignalTEK**® Gigabit Testers perform bit-error-rate tests and can be used to prove that the cable and connectivity installlation will handle 1Gb per second, CAT5e/CAT6 Ethernet. This provides a cost effective alternative to traditional certification testing when the installation does not require submission of a cable manufacturer's warranty.

- **LanTEK**® Certifiers can be used to perform 100MHz (CAT5e) and 250MHz (CAT6) tests for cable and connector termination compliance with the latest TIA/ISO standards. NEXT, Return Loss, ACR-N, Insertion Loss, and Headroom values are just a few of the core tests performed by LanTEK Certifiers.

| **VDV** | **VDV II** | **SignalTEK® CT/NT** | **LanTEK® III** |

Related IDEAL Products to complete your structured cabling installation.

CAT5e RJ-45 8P8C Modular Plugs, 50/Card **85-396**	CAT6 RJ-45 8P8C Modular Plugs, 25/Card **85-366**	Ratchet Telemaster™ Modular Plug Crimper **30-696**
CAT5e RJ-45 8P8C Modular Plugs, 100/Bag **86-396**		Telemaster™ Modular Plug Crimper **30-496**
Puchmaster™ II 110/66 Punchdown Tool **35-485**	PrepPRO® UTP/Coax Cable Stripper **45-605**	CAT5e In-Line Splice Adapter, 1/Bag **85-355**
		CAT6 In-line Splice Adapter, 1/Bag **85-356**
Electrician's Scissors **35-088**	Technician's Service Kit **33-505**	PRO Network/Telco Installer Kit **33-506**

IDEAL INDUSTRIES, INC.