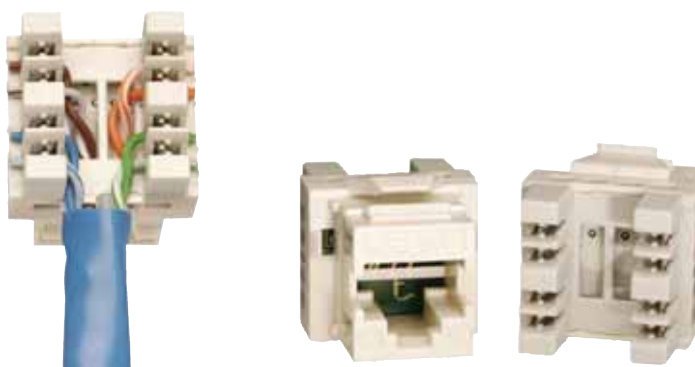


TrueNet®

CopperTen™ Modular Jack



An integral part of ADC's TrueNet® Structured Cabling System, CopperTen™ is the world's first UTP structured cabling system to enable 10 Gigabit Ethernet over a full 100 meters. Installed in high-performance networks worldwide, the system's patent-pending design minimizes alien crosstalk and insertion loss and meets the performance requirements of IEEE 802.3an and TIA/EIA 568-B.2-10 draft standards.

The CopperTen modular jack features LSA-PLUS® silver-plated 45° angled contacts for the most secure and reliable connection available. CopperTen jacks are available in 10 colors for unique port identification and mount in any of ADC's modular station outlets.

Features:

- Tested to 31 Gbps at 100 meters, exceeding proposed Shannon's Capacity requirements for 10GBase-T
- Forty-five degree silver-plated IDCs provide secure, reliable gas-tight connections
- Integrated conductor manager separates individual cable pairs for improved performance
- Accepts KRONE® or 110-style wire termination tools
- Universal A/B wiring label
- UL 1863 listed
- Product Warranty — 20 years

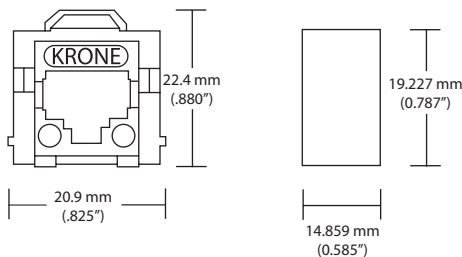
SPEC SHEET



www.adc.com • +1-952-938-8080 • 1-800-366-3891

Specifications

Operating Temperature Range:	-10° to 60 °C (14° to 140 °F)
RJ Socket, 8 Positions, General Specification:	FCC Part 68.500 (IEC 60603-7)
Transmission Performance and Reliability:	TIA/EIA 568-B.2-10 draft standards
Number of Plug Insertion Cycles:	≥ 750 (IEC/EN 60603-7)
LSA-PLUS Insulation Displacement	
Wire Diameter Range for Solid and Stranded Copper Conductors:	22-24 AWG 0.50 mm to 0.65 mm (0.019" to 0.025")
Wire Insulation Diameter Range (PE, PVC):	1.04 mm to 1.60 mm (0.041" to 0.063")
Contact Resistance:	≤ 1 mΩ typical
Contact Re-termination:	≤ 200
Insulation Resistance at 40 °C (104 °F) and 93% RH:	≥ 500 MΩ (IEC 512-2-3a)
Safety Rating:	UL 1863
Flammability Rating:	UL 94 V-0



Ordering Information

Description	Catalog Number
CopperTen™ RJ45 UTP modular 568A/B jack	6830 1 835-XX

Substitute XX in the part number for the desired color
01=White, 02=Ivory, 03=Gray, 04=Black, 05=Red, 06=Blue, 07=Green, 08=Yellow, 09=Purple, 10=Orange

KRONE® is a registered trademark of ADC Telecommunications, Inc.



Web Site: www.adc.com

From North America, Call Toll Free: 1-800-366-3891 • Outside of North America: +1-952-938-8080
Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our web site.

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101
Specifications published here are current as of the date of publication of this document. Because we are continuously improving our products, ADC reserves the right to change specifications without prior notice. At any time, you may verify product specifications by contacting our headquarters office in Minneapolis. ADC Telecommunications, Inc. views its patent portfolio as an important corporate asset and vigorously enforces its patents. Products or features contained herein may be covered by one or more U.S. or foreign patents. An Equal Opportunity Employer

1321732 9/05 Original © 2005 ADC Telecommunications, Inc. All Rights Reserved