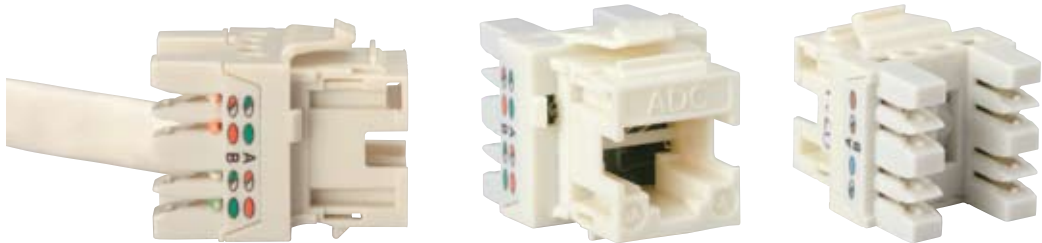


TrueNet®

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 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:

- 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



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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 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:

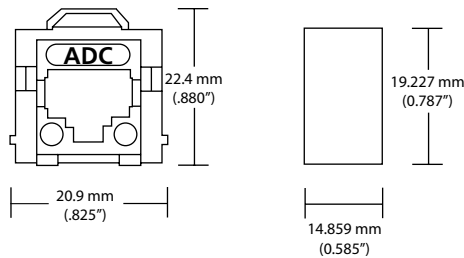
≥ 500 MΩ (IEC 512-2-30)

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

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Website: www.adc.com

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Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our website.

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