

# TrueNet®

## Category 6 KM8 Modular Punchdown Jacks



An integral part of the TrueNet® channel solution designed in conjunction with other TrueNet Category 6 components and cable, the ADC KM8 jack is a key element to the zero bit-error network performance warranty. These modular jacks can be used in any of ADC's modular plug-and-play station outlets and patch panels.

### Features:

- TrueNet impedance matched jacks guarantee maximum throughput
- Exceeds TIA/EIA Category 6 requirements
- Forty-five degree silver-plated IDCs provide secure, reliable gas-tight connections
- Compatible with any TrueNet modular faceplate, modular furniture faceplate, surface box and modular patch panel
- Accepts either a KRONE® or 110 tool for wire termination for punchdown jack
- Universal A/B wiring label
- UL 1863 listed and Category 6 performance verified

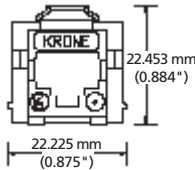
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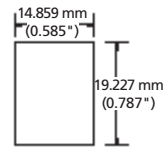
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# Specifications

<b>Operating Temperature Range:</b>	-40° to 70 °C (-40° to 158 °F)
<b>RJ Socket, 8 Positions, General Specification:</b>	FCC Part 68.500 (IEC 603-7)
<b>Transmission Performance and Reliability:</b>	≥ EIA/TIA 568-B.2-1 Category 6 ≥ ISO 11801 Class E Standard
<b>Number of Plug Insertion Cycles:</b>	≥ 750 (IEC/EN 60603-7)
<b>LSA-PLUS® Insulation Displacement</b>	
<b>Wire Diameter Range for Solid and Stranded Copper Conductors:</b>	22-24 AWG 0.50 mm to 0.65 mm (0.016" to 0.025")
<b>Wire Insulation Diameter Range (PE,PVC):</b>	1.04 mm to 1.60 mm (0.041" to 0.063")
<b>Contact Resistance:</b>	≤ 1 mΩ typical
<b>Contact Re-terminations:</b>	≥ 200
<b>Insulation Resistance at 40 °C (104 °F) and 93% RH:</b>	≥ 500 MΩ (IEC 512-2-3a)
<b>Safety Rating:</b>	UL 1863
<b>Flammability Rating:</b>	UL 94 V-0



ADC's modular jacks and connectors may be used in all TrueNet modular faceplates, surface boxes, patch panels as well as any platform with a port opening of 14.9 mm x 19.2 mm (.585" x .757") with a plate thickness from 1.2 mm x 1.5 mm (.048" to .060".)



## Ordering Information

Description	Catalog Number
<b>KM8 RJ45 modular punchdown jack</b> <i>Quantity: 1</i>	6830 1 830-XX*

\*Replace XX with:

01 = White	07 = Green
02 = Ivory	08 = Yellow
03 = Gray	09 = Purple
04 = Black	10 = Orange
05 = Red	
06 = Blue	

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### Web Site: [www.adc.com](http://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 web site.

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