TrueNet®
Category 6 KM8 Modular Jacks

An integral part of the TrueNet® channel solution designed in tandem with other TrueNet Category 6 components and cable, the ADC KM8 jack is a key element to the zero bit-error network performance warranty. The cable management system ensures reliable and consistent termination everytime. The cable manager holds cable pairs in place up to the termination point, preventing cable untwist and buckle, guaranteeing dependable and repeatable performance. All four pairs terminate at once without a tool, reducing termination time and effort. 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

- Universal A/B wiring label

- UL 1863 listed and Category 6 performance verified

SPEC SHEET

Specifications

Operating Temperature Range:	-40° to 70 °C (-40° to 158 °F)
RJ Socket, 8 Positions, General Specification:	FCC Part 68.500 (IEC 60603-7)
Transmission Performance and Reliability:	≥ EIA/TIA 568-B.2-1 Category 6 ≥ ISO 11801 Class E Standard
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 (0.016" 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-terminations:	≥ 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

22.453 mm (0.884")

29.337 mm (1.155")

22.225 mm (0.875")
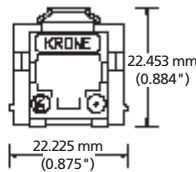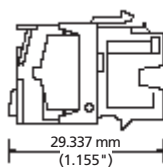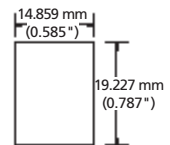
ADC's modular jacks and connectors may be used in all TrueNet modular faceplates, surface boxes, patch panels as well as any platform with a port opening of 14.9 mm x 19.2 mm (.585" x .757") with a plate thickness from 1.2 mm x 1.5 mm (.048" to .060".)

14.859 mm (0.585")

19.227 mm (0.787")

Ordering Information

Description	Catalog Number
KM8 RJ45 modular tool-less jack *Quantity: 1*	6830 1 800-*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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