

TrueNet®

Category 6 KM8® Shielded Jacks

Issue 1



TrueNet® Category 6 KM8® shielded jacks from ADC KRONE offer high performance and flexibility.

The KM8 jack adopts the keystone design, the global standard ensuring compatibility with the diverse range of faceplates systems throughout the world. The cable manager holds cable pairs in place up to the termination point. This prevents untwisting and buckling of the conductors thereby guaranteeing performance for every installation.

TrueNet® Category 6 jacks are compliant with Category 6 standard at a component level and comes complete with third party certification. Component compliance is the only way to guarantee true performance. When used alongside TrueNet® Category 6 component compliant cables, panels and cords complete infrastructure performance is guaranteed.

Features:

- Performance exceeding Category 6 specifications up to 250MHz
- KM8 cable managed jack in keystone format
- Fully interoperable and backwards compatible
- Third party certification at a component level

Key Benefits:

- Maximum throughput, reliability and performance in your IT network
- Flexibility to meet the most demanding installation requirements
- Third party certification to offer complete peace of mind and guarantee quality
- 20 year performance warranty

Ordering Information

Description	Product No.
Jack, Category 6 KM8 STP white (bag of 1)	6830 1 810-01

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Category 6 KM8® Shielded Jacks

Specifications

Technical Data

Electrical Data

Insulation resistance
Dielectric strength
Current carrying capacity
Typical plug /
jack contact resistance

KM8

≥ 500MW
Contact / shield 1.5kV
≥ 1A
≤ 20mW

Terminations

Typical IDC contact resistance
Number of re-terminations
Shield connection
Conductor diameter
Insulation diameter

≤ 1mW
≥ 30
Patented 360° shielding
0.5-0.65mm (AWG 24-22)
0.7-1.6mm

Mechanical Data

Plug / jack mating cycles
Plug / jack insertion /
withdrawal force

≥ 750 (IEC / EN 60603-7 series)
≤ 20N (IEC / EN 60603-7 series)

Environmental

Operating temperature range
Operating humidity range

-10° to +60°C
≤ 95% R.H. Non condensing

Testing requirements of connection technology according to ISO/IEC 11801 2nd Edition, ANSI/TIA/EIA-568-C.2-1 and EN 50173-1:2002.

All connecting hardware is tested individually and as part of a channel to ensure critical parameters of Power summation, ACR, NEXT, ELFEXT and Return Loss exceed the requirements specified in international standards.

As there are infinite channel and permanent link combinations, to guarantee Category 6 system performance, the focus should be at a component level. Third party test certificates at a channel, permanent link and component level are available for all TrueNet Category 6 products.

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