# 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

SPEC SHEET

**Ordering Information**

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

ADC KRONE

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## Specifications

### Technical Data

| **Electrical Data** | **KM8** |
|---|---|
| Insulation resistance | ≥ 500MW |
| Dielectric strength | Contact / shield 1.5kV |
| Current carrying capacity | ≥ 1A |
| Typical plug / jack contact resistance | ≤ 20mW |

| **Terminations** | |
|---|---|
| Typical IDC contact resistance | ≤ 1mW |
| Number of re-terminations | ≥ 30 |
| Shield connection | Patented 360° shielding |
| Conductor diameter | 0.5-0.65mm (AWG 24-22) |
| Insulation diameter | 0.7-1.6mm |

| **Mechanical Data** | |
|---|---|
| Plug / jack mating cycles | ≥ 750 (IEC / EN 60603-7 series) |
| Plug / jack insertion / withdrawal force | ≤ 20N (IEC / EN 60603-7 series) |

| **Environmental** | |
|---|---|
| Operating temperature range | -10° to +60°C |
| Operating humidity range | ≤ 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.

SPEC SHEET

**www.adckrone.com/in**
10C, II Phase Peenya Industrial Area
Bangalore 560 058
Sales Support: 1800 425 8232

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101


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