

TrueNet®

Category 6 CL and KM8® shielded and unshielded Jacks



TrueNet® Category 6 KM8® and CL 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.

The CL jack is a low profile design which requires less than 35mm of depth (including bend radius of Category 6 cable) making it the perfect solution for shallow trunking, back boxes and floor box applications. In addition, the CL comes complete with an integrated spring dust shutter.

TrueNet Category 6 jacks are compliant to the Category 6 standard at a component level and come 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
- CL low profile design ideally suited to shallow trunking and floor boxes
- 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 warranty

TECHNICAL DATA



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Ordering Information

Description	Catalogue Number
Jack, Category 6 CL UTP (box of 20)	6537 1 010-00
Jack, Category 6 CL STP (box of 20, in-line)	6537 1 050-00
Jack, Category 6 CL STP (box of 20, angled)	6537 1 055-00
Jack, Category 6 KM8 UTP (bag of 1) [†]	6830 1 800-04
Jack, Category 6 KM8 STP (bag of 1) [†]	6830 1 810-04

[†] KM8 jacks available in alternative colours upon request

Technical Data

Electrical Data

Insulation resistance
Dielectric strength

Current carrying capacity
Typical plug / jack contact resistance

CL

> 1000M Ω
Contact / contact 1.0kV
Contact / shield 1.5kV
 $\geq 1A$
 $\leq 20m\Omega$

KM8

$\geq 500M\Omega$
Contact / contact 1.0kV
Contact / shield 1.5kV
 $\geq 1A$
 $\leq 20m\Omega$

Terminations

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

$\leq 1m\Omega$
 ≥ 30
Patented 360° shielding*
0.5-0.65mm (AWG 24-22)
0.7-1.6mm

$\leq 1m\Omega$
 ≥ 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)
 $\leq 20N$ (IEC / EN 60603-7 series)

≥ 750 (IEC / EN 60603-7 series)
 $\leq 20N$ (IEC / EN 60603-7 series)

Environmental

Operating temperature range
Operating humidity range

-10° to +60°C
 $\leq 95\%$ R.H. Non condensing

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 $\leq 95\%$ R.H. Non condensing

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

All connecting hardware is tested individually and as part of a channel to ensure critical parameters of Powersummation, 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.

* STP only

TECHNICAL DATA



KRONE



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