

# TrueNet®

## Category 6 Modular and PCB Patch Panels

Issue 1



TrueNet® Category 6 modular and PCB patch panels from ADC KRONE offer high performance and a range of installation options. The modular Category 6 panel utilises the high performing KM8® keystone jack. Modular panels offer complete flexibility within the communications room and with the KM8 panel flexibility is further enhanced by the 1U 16, 24 and high density 32 port formats (Shielded or unshielded).

TrueNet® Category 6 patch panels 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 modular panels offer complete flexibility and high port density
- Expansive cable management, full fixing kit, IDC dust protection and labelling facilities
- 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 suit installation requirements
- Third party certification to offer complete peace of mind and guarantee quality
- PCB layout and design significantly reduces deployment time
- 20 year warranty
- UL 1863 listed

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### Specifications

#### Electrical Data

Insulation resistance.....  $\geq 500M\Omega$   
Dielectric strength..... Contact / contact 1.0kV  
..... Contact / shield 1.5kV  
Current carrying capacity.....  $\geq 1A$   
Typical plug / jack contact resistance.....  $\leq 20M\Omega$

#### Terminations

Typical IDC contact resistance.....  $\leq 1M\Omega$   
Number of re-terminations.....  $\geq 30$   
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.....  $\geq 750$  (IEC / EN 60603-7 series)  
Plug / jack insertion / withdrawal Force..... 20N (IEC / EN 60603-7 series)  
Dimensions..... 483mm x 44mm x 150mm

#### Environmental

Operating temperature range..... -10° to +60°C  
Operating humidity range.....  $\leq 95\%$  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 50173:2002.

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.

\* STP only

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#### Ordering Information

Description	Product No.
Patch panel, Category 6 KM8 STP 24 ports	7022 1 055-24
Patch panel, Category 6 KM8 STP 48 ports	7022 1 055-48



KRONE



[www.adckrone.com/in](http://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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