

# TrueNet®

## Category 6 KM8 RJ45 Outlet Shielded

Issue 1



A Category 6 Keystone 8-position modular outlet for terminating shielded (F/UTP or S/FTP) cable. The KM8 outlet is a keystone design, the global socket mounting standard ensuring compatibility with the diverse range of faceplates systems throughout the world.

An internal 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.

These outlets are compliant to the shielded Category 6 standard at a component level.

### Features:

- Performance exceeding Category 6 specifications up to 250MHz
- Terminates shielded 4-pair cable
- KM8 cable managed outlet in keystone format
- Fully interoperable and backwards compatible
- Third party certification at a component level

### Specifications

#### Mechanical Data:

Plug / outlet mating cycles: .....	≥750 (IEC / EN 60603-7 series)
Plug / outlet insertion / withdrawal force: .....	≤20N (IEC / EN 60603-7 series)
Number of IDC re-terminations: .....	≥30
Shield connection: .....	Patented 360° shielding
Conductor diameter: .....	0.5-0.65mm (AWG 24-22)
Insulation diameter: .....	0.7-1.6mm

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Nominal dimensions:..... 20mm high x 24mm wide x 42mm deep  
Operating temperature: .....-10° to +60°C  
Operating humidity:..... ≤95% R.H. Non condensing

### Electrical:

Insulation resistance:..... >500MΩ  
Dielectric strength: ..... Contact / contact 1.0kV  
..... Contact / shield 1.5kV  
Current carrying capacity: ..... ≥1A  
Typical plug / outlet contact resistance: ..... ≤20mΩ  
Typical IDC contact resistance: ..... 1mΩ

ACMA Compliant

RoHS compliant to the European Union Directive 2002/95/EC

### Ordering Information

Description	Quantity	Colour	Product No.
Category 6 KM8 RJ45 Outlet, Shielded	Bag of 1	White	6830 1 810-01
Category 6 KM8 RJ45 Outlet, Shielded	Bag of 8	White	6830 2 711-01

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