

# TrueNet®

## CopperTen™ Modular Keystone Outlet

Issue 1



CopperTen™ by ADC KRONE is the world's first UTP Structured Cabling System to enable Gigabit Ethernet over a full 100 metres. Installed in high-performance networks worldwide. The system's design minimises alien crosstalk and insertion loss and meets the performance requirements of IEEE 802.3an, ISO/IEC 11801 ed.2.1 and TIA 568-C.2-10 draft standards.

The CopperTen™ modular keystone outlet features LSA-PLUS® silver-plated 45° angled contacts for the most secure and reliable connection available. The outlets clip directly into keystone style faceplates or can be used with the Clipsal/HPM mounting adaptors.

### Features:

- Keystone clip feature allows for mounting into single or dual gang faceplates
- 45 degree silver-plated IDCs provide secure, reliable gas-tight connections
- Integrated conductor manager separates individual cable pairs for improved performance
- Accepts ADC KRONE or 110-style wire termination tools
- Universal A/B wiring label
- UL 1863 listed

SPEC SHEET



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### Specifications

Operating Temperature Range: .....-10° to 60°C  
RJ45 Socket, 8 Positions, General Specification: ..... FCC Part 68.500 (IEC 60603-7)  
Transmission Performance and Reliability: ..... Transmission performance to TIA-568.C.2-10  
..... Component compliance as well as 10 Gigabit performance  
..... ISO/IEC 11801 ed.2.1 extrapolated component  
Numbers of Plug Insertion Cycles: .....≥750 (IEC/EN 60603-7)

#### LSA-PLUS® Insulation Displacement

Wire Diameter Range for Solid and Stranded Copper Conductors: ..... 22-24 AWG 0.50mm  
Wire Insulation Diameter Range (PE, PVC): ..... 1.04mm to 1.60mm  
Contact Resistance: ..... ≤1mΩ typical  
Contact Re-termination: ..... ≤200  
Insulation Resistance at 40°C (104° F) and 93% RH: ..... ≤500mΩ (IEC 512-2-3a)  
Safety Rating: ..... UL 1863  
Flammability Rating: ..... UL 94 V-0

### Ordering Information

Description	Quantity	Colour	Product No.
CopperTen™ RJ45 Modular 568A/B Outlet	Each	White	6830 1 835 -01
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Ivory	6830 1 835 -02
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Grey	6830 1 835 -03
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Black	6830 1 835 -04
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Red	6830 1 835 -05
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Blue	6830 1 835 -06
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Green	6830 1 835 -07
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Yellow	6830 1 835 -08
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Purple	6830 1 835 -09
CopperTen™ RJ45 Modular 568A/B Outlet	Each	Orange	6830 1 835 -10

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