Z-MAX® 6 UTP OUTLETS

The Category 6 UTP Z-MAX outlet offers best-in-class performance exceeding all Category 6 performance requirements. Its innovative features not only accelerate and simplify termination, but remove installation variability for consistently high and repeatable performance - every termination, every time! This consistency eliminates troubleshooting time due to marginal passes during field testing.

STANDARDS COMPLIANCE
- TIA-568.2-D
- ISO/IEC 11801-Ed 1.0
- IEEE 802.3af (Type 1)
- IEEE 802.3at (Type 2)
- IEEE 802.3bt (Type 3 and 4)
- Powerover HDBaseT (PoH)
- IEC 60603-7
- TIA-968-A (formerly FCC Part 68 Subpart F)
- ANSI/TIA-1096-A
- IEC 60603-7-4
- IEC 60512-99-001 (3rd party verified)

Flexible and Simplified Ordering
A single hybrid outlet supports both angled and flat mounting orientations.

Compliant — Is compliant with UL2043 and is appropriate for use in air handling spaces

Compact — Slim and side-stackable for high-density applications. Supports “pass-thru” feature to mount from the front or rear of a faceplate

Enclosed IDC Terminations — IDC terminations are fully enclosed in the outlet housing for robust protection

High-Visibility Icon System — Printed icons allow designation for voice/data applications and also provide an additional color coding option

Guided Termination Features — Lacing channels guide correct conductor placement while 2-sided color-coding provides wiring verification before and after lacing

Robust Hinged Cable Retention — Hinged clip accommodates multiple cable diameters

Fastest Termination Time — Zero-Cross™ termination module and 2-step Z-TOOL™ termination process combine for best-in-class termination time

Spring Door Option
Minimizes exposure to dust and other contaminants.

PowerGUARD™
Siemon’s patented PowerGUARD technology prevents plug and jack contact erosion due to arcing at the mated location when the plug is unmated under PoE load conditions.

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PRODUCT INFORMATION

Performance Specifications:

### ELECTRICAL
- **Contact Resistance (mated)**: 20 mΩ
- **Input to Output Resistance**: 200 mΩ (single conductors)
- **Min. Dielectric Withstand Voltage (contact to contact)**: 1000 V DC or AC peak
- **Insulation Resistance**: 500 MΩ
- **Compatibility**: Backwards to cat 5e and cat 6
- **Current Rating**: 1.5 A

### MECHANICAL — TERMINATION
- **Number of Plug Insertion Cycles**: 2500
- **Min. Plug Retention Force**: 50N (11.24 lbf)
- **Plug Compatibility**: Compatible with RJ45 (8-position) or RJ11 (6-position) plugs

### MECHANICAL — GENERAL
- **Operating Temperature**: -10 to 60 °C (14 to 140 °F)
- **Flammability Rating**: UL 94 V-0
- **Green Features**: RoHS, lead-free, halogen-free, PVC free
- **Housing Material**: Glass-reinforced nylon
- **Contact Materials**: Copper alloy, plated with 50 micro inches (1.27 micron) minimum thick gold or equivalent at contact interface
- **Plastic Materials**: Flame retardant thermoplastic
- **Dimensions (LxWxH)**: 41.2x14.5x21.2mm (1.6x.570x.832 in.)

### MECHANICAL — JACK
- **Number of Plug Insertion Cycles**: 2500
- **Min. Plug Retention Force**: 50N (11.24 lbf)

### ORDERING INFORMATION:

**Z6-(X)(XX)(X) . . . . . . . . . .UTP Z-MAX 6 outlet, T568A/B**

- **Bezel Colour**
  - 01 = Black
  - 02 = White
  - 03 = Red
  - 04 = Gray
  - 05 = Yellow
  - 06 = Blue
  - 07 = Green
  - 09 = Orange
  - 20 = Ivory
  - 80 = Light Ivory

- **Door Option**
  - (Blank) = No Door
  - D = Door (Hybrid only)

- **Mounting Style**
  - (Blank) = Hybrid Flat/Angled
  - K = Keystone*

*Note: Keystone version is designed for integration with various third party mounting products and is not compatible with standard Siemon MAX mounting products.

Outlet terminations UTP cable constructions with 23 – 26 AWG (0.64 – 0.51mm) solid and 26 AWG (0.48mm) stranded conductors, with up to 0.60mm diameter conductors and up to 1.48mm diameter over insulation.

Add "D" to end of part number for spring door option. (Hybrid only)

Add "B" to end of part number for bulk project pack of 100 modules (hybrid modules include icons).

Note: Z-MAX outlets utilise the Z-TOOL termination tool. Included with each standard pack of Z-MAX outlets.

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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