

# 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.

**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

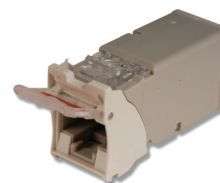


**Robust Hinged Cable Retention** — Hinged clip accommodates multiple cable diameters

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

**Flexibility and Simplified Ordering**

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



**Spring Door Option**

Minimises exposure to dust and other contaminants.



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.

## 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)



# 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
POE	Suitable for PoE Type 1,2,3,4 and PoH
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)
Plug Compatibility	Compatible with RJ45 (8-position) or RJ11 (6-position) plugs

MECHANICAL — TERMINATION	
Wire Size Range (nominal)	22-26 AWG solid and stranded
Wire Insulation Diameter Range (max)	1.48mm (0.058 in.)
Conductor OD Size (max)	0.60mm (0.023 in.)
Cable OD (max)	9mm (0.354 in.)
Re terminations	5
Wiring	T568A/B

Each Z-MAX 6A hybrid outlet includes 1 printed icon set with the following color/print options.



- |                               |                                |
|-------------------------------|--------------------------------|
| 1 - Red Data                  | 1 - Red Voice                  |
| 1 - Blue Data                 | 1 - Blue Voice                 |
| 1 - Bezel Color-Matching Data | 1 - Bezel Color-Matching Voice |
| 1 - White Blank               | 1 - Bezel Color-Matching Blank |

## Ordering Information:

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

Mounting Style	Bezel Colour	Door Option
(Blank) = Hybrid Flat/Angled		(Blank) = No Door
K = Keystone*		D = Door (Hybrid only)
	01 = Black	06 = Blue
	02 = White	07 = Green
	03 = Red	09 = Orange
	04 = Gray	20 = Ivory
	05 = Yellow	80 = Light Ivory

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

Keystone versions are also not compatible with icons and do not have door options.

Outlet terminates 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.

