

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

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



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

Robust Hinged Cable Retention — Hinged clip accommodates multiple cable diameters

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

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.

Each Z-MAX 6 UTP hybrid flat/angled outlet includes 1 printed icon set with the following colour/print options. Additional color options available.



- | | |
|-------------------------------|--------------------------------|
| 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 |

STANDARDS COMPLIANCE

- TIA-568-C.2
- ISO/IEC 11801:Ed 2.2 (Cat6)
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE+)
- 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	20 mΩ
Input to Output Resistance	200 mΩ
Min. Dielectric Withstand Voltage (contact to contact)	1000 V DC or AC peak
Min. Dielectric Withstand Voltage	1500 V DC or AC peak
Insulation Resistance	500 MΩ
Compatibility	Backwards to cat 5e and cat 6
Current Rating	1.5 A PoE, PoE +
POE	Suitable for PoE and PoE+
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. Contact Force	50g
Min. Plug Retention Force	50N
Plug Compatibility	Compatible with RJ45 (8-position) or RJ11 (6-position) plugs

MECHANICAL – TERMINATION	
Wire Size Range (nominal)	23-26 AWG solid and stranded
Wire Insulation Diameter Range (max)	1.48mm (0.058)
Conductor OD Size (max)	0.60mm (0.023)
Cable OD (max)	9mm (0.354)
Reterminations	5
Wiring	T568A/B

Ordering Information:

Z6-(X)(XX)(X) UTP Z-MAX 6 outlet, T568A/B	
Mounting Style	Bezel Colour
(Blank) = Hybrid Flat/Angled	01 = Black
K = Keystone	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)

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.

Note: Keystone version is designed for integration with various international mounting products and is not compatible with MAX® mounting hardware.



Hybrid



Door Option



Keystone

For additional resource information:

Visit our web site at www.siemon.com

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

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