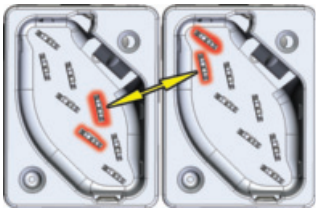
Z-MAX® 6A UTP OUTLETS

The Category 6A UTP Z-MAX outlet offers best-in-class performance in every critical specification, exceeding all Category 6A performance requirements, including alien crosstalk. Its innovative features not only accelerate and simplify termination, but remove installation variability for consistently high and repeatable performance — every termination, every time!

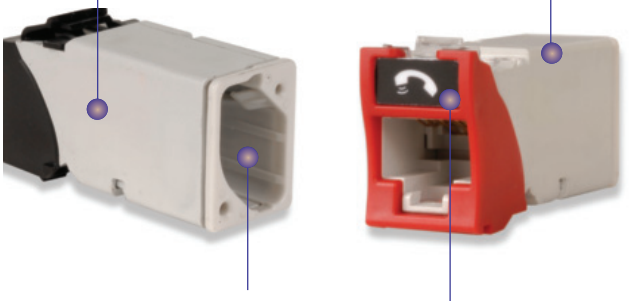


Optimized For Alien Crosstalk Isolation
Diagonal IDC alignment maximizes outlet to outlet pair separation to achieve AXT performance in high-density environments.

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

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

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

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
Minimizes exposure to dust and other contaminants.



Contact Integrity – Featuring Siemon's patented crowned jack contact geometry that improves electrical and mechanical performance and ensures that any jack or plug contact damage due to arcing caused by unmating under PoE load occurs well away from the final mated contact position.

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801 2nd ed Amendment 1
- ETL Tested
- IEEE 802.3an
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE+)
- ANSI/TIA 1096-A
- IEC 60603-7-4
- IEC 60512-99-001 (3rd party verified)

SIEMON™

PRODUCT INFORMATION

Performance Specifications:

ELECTRICAL	
Contact Resistance	20 mΩ
Input to Ouput 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 themoplastic
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)	23-26 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.)
Reterminations	5
Wiring	T568A/B

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



Front

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

Rear

1 - Red Voice
1 - Blue Voice
1 - Bezel Color-Matching Voice
1 - Bezel Color-Matching Blank

Ordering Information:

Z6A-(X)(XX)(X) . . . . . .UTP Z-MAX 6A outlet, T568A/B

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

Bezel Color
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)



Z-MAX 6A UTP outlets utilize 10G MAX faceplates and cannot be side-stacked in standard MAX faceplates.

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

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

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