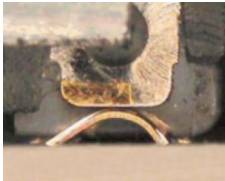
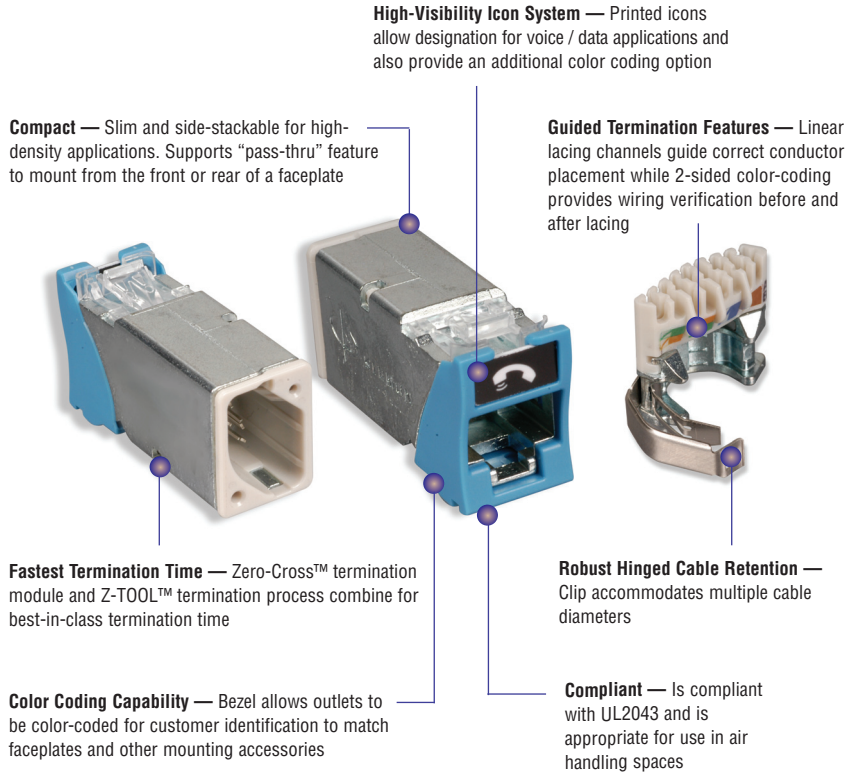


# Z-MAX® 6A SHIELDED OUTLETS

The shielded 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 speed and simplify termination, but remove installation variability for consistently high and repeatable performance — every termination, every time!



**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.



## Flexibility and Simplified Ordering

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



## Enhanced Shielding Effectiveness

High level of shielded effectiveness exceeds ISO 360 degree shielding requirements via die cast housing and hinged cable retention/grounding clip.



## 100% Jack-to-Jack Plastic Isolation

Plastic bezels prevent contact between metal housings when side stacking to ensure ground quality and ANEXT performance.



## Quick-Ground™ Termination

Cable shield is automatically terminated to the outlet without additional steps.



## Spring Door Option

Minimizes exposure to dust and other contaminants.

## STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801 Ed 2.2
- ETL Tested
- IEEE 802.3an
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE+)
- ANSI/TIA 1096-A
- IEC 60603-7-51
- IEC 60512-99-001 (3rd party verified)

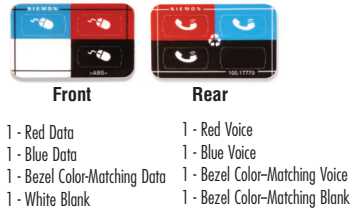
# PRODUCT INFORMATION

## 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	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	Zinc die cast
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)	41.2x14.5x21.1mm (1.6x.570x.832 in.)
Shield	360 degree enclosure
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.



## Ordering Information:

Z6A-S(X)(XX)(X) . . . . . Shielded Z-MAX 6A outlet, T568A/B		
<b>Mounting Style</b>	<b>Bezel Color</b>	<b>Door Option</b>
(Blank) = Hybrid Flat/Angled	01= Black 06= Blue	(Blank) = No Door
K = Keystone	02= White 07= Green	D = Door (Hybrid only)
	03= Red 09= Orange	
	04= Gray 20= Ivory	
	05= Yellow 80= Light Ivory	

Outlet terminates S/FTP, F/FTP and F/UTP cable constructions with 22 – 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.

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

## For additional resource information:

Visit our web site at [www.siemon.com](http://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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