

# Z-MAX™ 6A SHIELDED OUTLETS

Combining exceptional category 6A performance with best-in-class termination time, the Z-MAX 6A shielded outlet is a vital part of an end-to-end Z-MAX 6A shielded cabling system. The Z-MAX module exceeds all applicable industry standards, including TIS-568-B.2-10 and ISO/IEC 11801:2002 Amendment 1, Class EA

This exceptional performance is achieved through Z-MAX's innovative Z-TOOL termination process, Zero-Cross termination module, unique diagonal IDC alignment for AXT control and advanced tuning capabilities in conjunction with the patent-pending PCB-based smart plug technology integrated into Z-MAX patch cords.



**PATENT PENDING**

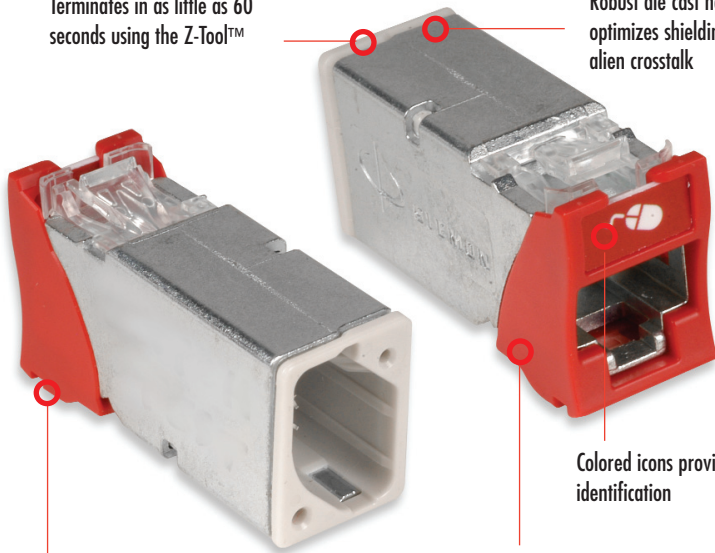


**Z-MAX™**

**WORK AREA**

Terminates in as little as 60 seconds using the Z-Tool™

Robust die cast housing optimizes shielding from EMI and alien crosstalk



Pass-thru feature allows mounting from front or rear of faceplate

Colored icons provided for port identification

Outlets are available in a wide range of colors and mount in MAX faceplates and accessories  
- Keystone version also available

## STANDARDS COMPLIANCE

- ANSI/TIA-568-B.2-10
- ISO/IEC 11801:2002 Amendment 1 (class EA)
- IEEE 802.3an
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE+)
- IEC 60603-7
- TIA-968-A (formerly FCC Part 68 Subpart F)

Zero-cross termination module accelerates lacing and eliminates pair crossing

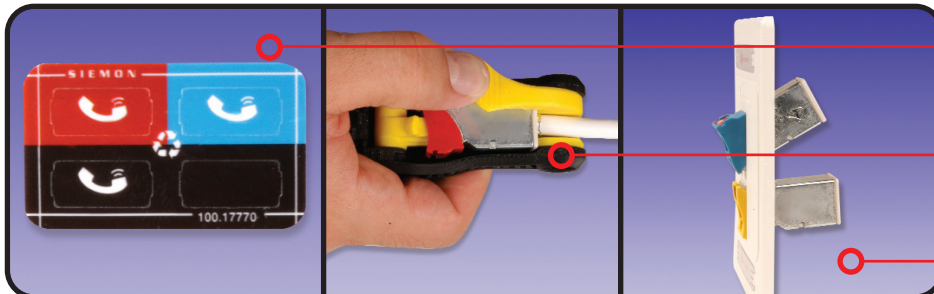


Rapid shield connection and cable jacket strain relief via integrated hinged metal clip

High visibility printed icons are provided in a convenient, one-piece frame

The ergonomic and easy-to-use Z-Tool ensures a fast, low force termination

Hybrid design allows the same outlet to be mounted in flat or angled orientations



**CONNECTING THE WORLD TO A HIGHER STANDARD**

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# 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	Plated phospher bronze, stainless steel
Plastic Materials	Flame retardant themoplastic
Dimensions (LxWxH)	41.2x14.5x21.1mm (1.6x.570x.832 in.)
Shield	360 degree enclosure
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

### Z-MAX™ Shielded Outlets:

Z6A-S(XX)..... Z-MAX 6A shielded module, hybrid (flat/angled)

Z6A-SK(XX)..... Z-MAX 6A shielded module, keystone



Z6A-S



Z6A-SK

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Use (XX) to specify color:

01 = black, 02 = white, 03 = red, 04 = gray, 05 = yellow,  
06 = blue, 07 = green, 09 = orange, 20 = ivory,  
25 = bright white, 80 = light ivory, 82 = alpine white

The hybrid outlet mounts into MAX® mounting hardware. It includes an icon card consisting of four attached icons: one color-matching, one red, one blue, and one blank icon.

The keystone version is designed for integration with various international mounting products and is not compatible with MAX mounting hardware. The icon is not compatible with keystone outlets.

#### For additional resource information:

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