

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.



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.

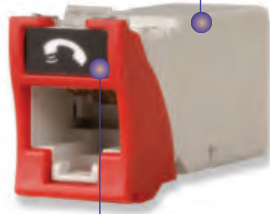
Compliant — Is compliant with UL2043 and is appropriate for use in air handling spaces

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

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



Front

Rear

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

For more Z-MAX icon colors and options see page 8.5.

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)

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:

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

<p>Mounting Style</p> <p>(Blank) = Hybrid Flat/Angled K = Keystone</p>	<p>Bezel Color</p> <table border="0"> <tr> <td>01 = Black</td> <td>06 = Blue</td> </tr> <tr> <td>02 = White</td> <td>07 = Green</td> </tr> <tr> <td>03 = Red</td> <td>09 = Orange</td> </tr> <tr> <td>04 = Gray</td> <td>20 = Ivory</td> </tr> <tr> <td>05 = Yellow</td> <td>80 = Light Ivory</td> </tr> </table>	01 = Black	06 = Blue	02 = White	07 = Green	03 = Red	09 = Orange	04 = Gray	20 = Ivory	05 = Yellow	80 = Light Ivory	<p>Door Option</p> <p>(Blank) = No Door D = Door (Hybrid only)</p>
01 = Black	06 = Blue											
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04 = Gray	20 = Ivory											
05 = Yellow	80 = Light Ivory											



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 – 0.51 mm) 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).

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