

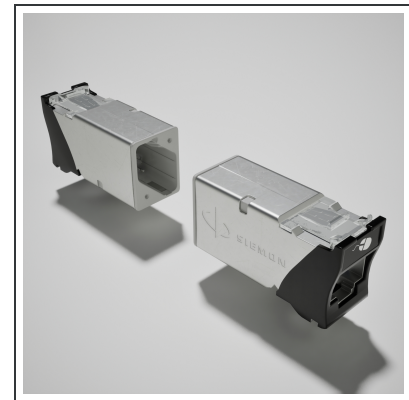
Product Spec Sheet



Part Number: Z6A-S01

Description: Copper Outlet ZMAX Shielded Category 6A RJ45 Hybrid Black Tool-Less T568A/B

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! The innovative linear lacing features and user-friendly Z-Tool enable fast terminations, while removing installation variability for consistent, repeatable performance.



Disclaimer: The product images shown are for illustration purposes only and may not be an exact representation of the product

Z-MAX shielded outlets are offered in hybrid (flat and angled in one part number), keystone, and panel mounting versions. The slim profile supports up to 48 port / 1U density in patch panel applications. In addition to the straight version, the patented Z-MAX 45 shielded Category 6A outlet offers a shorter, compact design and the ability to terminate cable at a 45-degree angle for easier exiting of cable from shallow back boxes or wall-mounted raceway systems, while maintaining proper bend radius of the cable.

General:

Product Family	ZMAX Modules - Shielded Cat 6A
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Weights & Dimensions:

Product Unit of Measure	EA
Product Weight	22.7g (0.8oz)
Product Dimensions (L x W x H)	40.9mm x 14.5mm x 21.1mm (1.61" x 0.57" x 0.83")

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Pack 1 Quantity	50
Pack 1 Weight	1.3kg (2.87lbs)
Pack 1 Dimensions (L x W x H)	279.4mm x 133.4mm x 106.4mm (11" x 5.25" x 4.19")
Pack 2 Quantity	500
Pack 2 Weight	13.3kg (29.36lbs)
Pack 2 Dimensions (L x W x H)	542.9mm x 282.6mm x 308mm (21.38" x 11.13" x 12.13")

Physical Specifications:

Product Type	Outlet
Shielded or UTP	Shielded
Outlet Type	RJ45
Mounting Style	Hybrid
Color	Black
Shield	Fully shielded, 360-degree enclosure
Housing Material	Zinc diecast
Packaging	Not Applicable
Front Contact Material	High grade copper alloy
Front Contact Plating	50 micro inches (1.27 micron) minimum thick gold or equivalent at contact interface
Component Material	Flame retardant thermoplastic
Door	No

Mechanical Specifications:

Wiring	T568A/B
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Termination Method	Tool-Less
Reterminations	5
Cable Entry	Not Applicable
Plug Insertion Cycles	2500
Operating Temperature (°C)	-10 to 60
Operating Temperature (°F)	14 to 140
Wire Size Range (nominal)	26-22 AWG solid and/or stranded
Plug Compatibility	RJ45 (8-position) or RJ11 (6-position) plugs
Plug Retention Force (lbf) (min)	11.25
Wire Insulation Diameter (in) (max)	0.06
Conductor OD (mm) (max)	0.6
Cable OD (mm) (max)	9
Conductor OD (in) (max)	0.02
Wire Insulation Diameter (mm) (max)	1.5

Electrical Specifications:

Category	Category 6A
Contact Resistance	$\leq 20 \text{ m}\Omega$
Insulation Resistance	$\geq 500 \text{ M}\Omega$
Input to Output DC Resistance (signal conductors)	$\leq 200 \text{ m}\Omega$
Input to Output DC Resistance (shield)	$\leq 100 \text{ m}\Omega$
Dielectric Withstand Voltage (contact to contact)	1000 V DC or AC peak
Dielectric Withstand Voltage (contact to shield)	1500 V DC or AC peak
Current Rating	1.5 A @ 25°C (77°F)

Product Spec Sheet



Compliance:

Industry Standards	ANSI/TIA-568.2-E (Category 6A), ISO/IEC 11801-1 (Class EA), ANSI/TIA 1096-A, IEC 60603-7-51
Applications Support	10GBASE-T, 2.5/5GBASE-T, 10/100/1000BASE-T, PoE (Type 1,2,3,4) and PoH
Safety & Certifications	IEC 60512-99-002 (3rd party verified), ETL Tested, UL1863
Quality Management System Certification	ISO 9001:2015

Environmental & Sustainability:

RoHS	RoHS - Meets Without Exemption
REACH	REACH - Does Not Contain SVHCs
Conflict Minerals	Conflict Minerals - DRC Conflict Free
PFAS	Does not contain PFAS Substances

For more details about the product, please [Click Here](#)

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North America
P: (1) 860 945 4200

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Siemon Interconnect Solutions
P: (1) 860 945 4213
www.siemon.com/SIS

