

Product Spec Sheet



Part Number: Z6A-S06

Description: Copper, Outlet, ZMAX, Shielded, Category 6A, RJ45, Hybrid, Blue, 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!



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

General:

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

Product Weight (g)	22.68
Product Weight (oz)	0.8
Product Length (mm)	40.9
Product Length (in)	1.61
Product Width (mm)	14.5
Product Width (in)	0.57
Product Height (mm)	21.1
Product Height (in)	0.83

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Physical Specifications:

Product Type	Outlet
Shielded or UTP	Shielded
Outlet Type	RJ45
Mounting Style	Hybrid
Color	Blue
Shield	360° fully shielded
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

Mechanical Specifications:

Wiring	T568A/B
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 (N) (min)	50

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Plug Retention Force (lbf) (min)	11.25 lbf
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)

Compliance:

Industry Standards	ANSI/TIA-568.2-D (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
Sustainability	RoHS, lead-free, halogen-free, PVC-free

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

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