



24458-C6A

24 Port Cat 6A UTP Patch Panel

PRODUCT OVERVIEW -	
Product Description	24 Port Cat 6A UTP Patch Panel
Product Overview	<p>Category 6A Patch Panels are designed to meet 10 Gigabit Ethernet IEEE 802.3an rev. 1.0 transmission requirements and are guaranteed to exceed ANSI/TIA-568-C.2 performance specifications. These high-density panels are available in 24- and 48-port versions featuring a rolled edge steel construction, which provides maximum strength and durability and eliminates panel flex during termination. Panels feature port labeling areas and port numbering for easy circuit identification.</p> <p>Panels are supplied preloaded with 10G connectors supporting both T568A and T568B wiring using an easy-to-read color-code wiring label and can be terminated using standard single-position 110 termination tool. This new connector design provides enhanced plug-to-jack connection integrity, protects against damage caused by insertion of 4- or 6-position plugs and is rated for a minimum of 750 plug insertions providing for the highest level of system reliability.</p> <p>Jacks feature the ability to mount either color-coded icons for service identification or dust covers to protect unused jacks from dust and other contaminants. Rear 110 contacts provide improved conductor retention and ease of termination. Jacks are supplied with a metallized plastic cable protection cap, which eliminates alien crosstalk for maximum performance.</p> <p>Panels are provided with a newly designed cable management bar(s) that easily mounts to the back of the panel without the need for mounting screws. This cable management bar features improved cable routing and strain relief.</p>
Package Qty.	1
PRODUCT FEATURES -	
Features	<ul style="list-style-type: none"> • Connector transmission performance meets or exceeds TIA-568-B.2-10 channel level performance specifications. • Termination is made quick and easy using a tool-less termination. <p>Rear cable management bar.</p> <ul style="list-style-type: none"> • Connector contact design provides enhanced plug to jack connection integrity and protects against damage caused by insertion of 4 or 6 position plugs. • Connectors are rated for at least 750 plug insertions providing for the highest level of system reliability. • Maximum strength and durability construction.
SPECIFICATIONS & DIMENSIONS -	
Transmission Performance	ANSI/TIA-568-B.2-10: Meets or exceeds category 6A (1-500 MHz) channel specifications
Jack Type	8p8c (8-position, 8-contact) "RJ45" style
Wiring Scheme	ANSI/TIA/EIA-568-B.2: T568A & T568B ISO/IEC 11801 2nd Ed.: 8-position pin/pair assignment (1-2/3-6/4-5/7-8)
Mounting Dimensions	<p>Panel: 19" rack mountable 1.5 in deep (w/o cable management bar) 6.0 in deep (with cable management bar installed) 1.75 in (1 RMU) high (24458S-C6A) 3.50 in (2 RMU) high (48458S-C6A) Jacks: W 17.0 mm D 41.8 mm H 19.3 mm W 0.67 in D 1.65 in H 0.76 in</p>
Physical Characteristics	<p>Panel: steel/Ni plated steel Cable management bar: steel/Ni plated steel Jack housing: screened case: copper, 0.25 mm (0.0098 in), 100 µin nickel plated contact holder: high impact thermoplastic, UL94V-0 fire retardant Jack contacts: phosphor bronze alloy plated with min 50 µin of gold over 70-100 µin of nickel plating Jack IDC: 110 type, phosphor bronze alloy with 100 µin 100% tin alloy</p>
Electrical/Optical Characteristics	<p>Insulation resistance: min 500 MOhm @ 100 Vdc Dielectric withstanding voltage: 1,000 Vdc/ac peak contact to contact @ 60 Hz for 1 min Spring wire contact resistance: max 20 Mohm IDC contact resistance: max 2.5 MOhm Current rating: see figure</p>
Environmental Characteristics	<p>Storage: -40°C - +70°C (-40°F - +158°F) Operation: -10°C - +60°C (+14°F - +140°F) RH (operation): max non-condensing 93%</p>
Warranty	<p>5-year limited component warranty 10-year Signamax Link/Channel Warranty 15-year Signamax Extended Component Warranty 25-year Signamax Cabling System Warranty</p>