

## Cat 6 UTP Flat White 110-Style Patch Panels

### APPLICATION

Leviton Cat 6 UTP Flat 110-Style Patch Panels are designed for use on 19-inch standard racks and cabinets. Patch panels include patented Retention Force Technology which promotes consistent performance over the life of the system. The installer-friendly design allows for quick installation, with standard 110 terminations on the rear of the panels that follow the normal installation color sequence (blue, orange, green, brown) from left to right. The Cat 6 system is designed for use in high megabit applications such as Gigabit Ethernet.



### SPECIFICATION

Patch panels shall meet or exceed the requirements for channel- and component-level performance as described in ANSI/TIA-568.2-D Category 6 standards, as well as the Class E requirements described in ISO/IEC 11808-1 and EN 50713-1. Panels shall feature both T568A and T568B wiring configurations, white IDC 110-punchdown modules, mounting standoffs for cable management bars, and color-coded front window labeling. Panels shall have universal T568A and T568B wiring card for terminations. Panels shall be made of 14 AWG steel, and shall have a white finish with black silkscreening. The plastic elements shall be fire retardant with a UL flammability rating of 94V-0. Panels shall be offered in 24 and 48-port configurations. Patch panels shall be configured with six port modules. The 110 termination on the rear of the panels shall follow normal installation color sequence (blue, orange, green, brown) from left to right.

### FEATURES

- Patented Retention Force Technology protects tines from damage and increases system longevity
- Craft-friendly installation
- Universal T568A and T568B wiring cards for 110-style IDC terminations
- Color-coded front labeling for easy port identification (ANSI/TIA-606-C compliant)
- Terminates 26-22 AWG solid conductors
- Capable of multiple re-terminations

### DESIGN CONSIDERATIONS

- Mounts on 19-inch equipment racks
- Panel offered in 24- and 48-port configurations
- Connector modules are in groups of six
- Use star washers for grounding in rack-mount installations
- Rear cable manager not included, sold separately (49005-CMB)

### STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D
- ISO/IEC 11808-1 (Class E)
- EN 50713-1 (Class E)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- cULus Listed
- IEEE 802.3bt PoE Type 1 (15.4 Watts) formerly 802.3af, Type 2 (30 Watts) formerly 802.3at, Type 3 (60 Watts), Type 4 (90 Watts)
- Cisco Universal Power Over Ethernet (UPOE) applications up to 60 watts
- Power over HDBaseTTM (POH) applications up to 95 watts

### MECHANICAL SPECIFICATIONS

Dimensions:	See page two
Capacity:	24, 48-port
Materials:	14 AWG steel, white powder coat; PCB and plastic components are rated per UL 94V-0

### COUNTRY OF ORIGIN

USA

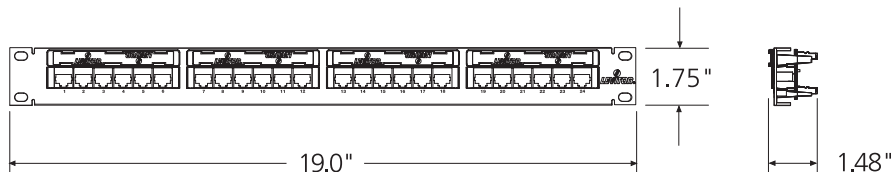
69586-W24, 69586-W48

## PRODUCT SPECIFICATIONS

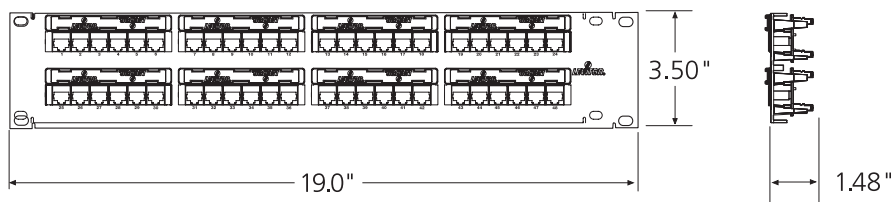
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69586-W24



69586-W48

ANSI/TIA-568.2-D CAT 6 PARAMETERS		Connecting Hardware Requirements*	
Description	@ 100MHz	@ 250MHz	
Insertion Loss (IL)	0.20	0.32	
Near-end Crosstalk (NEXT)	54.0	46.0	
Far-end Crosstalk (FEXT)	43.1	35.1	
Return Loss (RL)	24.0	16.0	
Transverse Conversion Loss (TCL)	28.0	20.0	
Transverse Conversion Transfer Loss (TCTL)	28.0	20.0	

\*All requirements are minimum allowable except IL requirements are maximum allowable. Connecting hardware shall meet requirements of all parameters from 1-250 MHz. Values in above table are only at specific frequencies and are for references only.

PART NUMBERS	
Description	Part No.
Cat 6 UTP Flat 110-Style Patch Panel, 24-Port, 1RU, White	69586-W24
Cat 6 UTP Flat 110-Style Patch Panel, 48-Port, 2RU, White	69586-W48

Europe and Middle East customers, please contact Customer Service for regional availability.

For further support information, visit [leviton.com/ns/support](http://leviton.com/ns/support)

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