

# HD6™ Patch Panel

A breakthrough in patch panel performance. The industry's first patch panel that exceeds proposed category 6\* connecting hardware specifications for all pair combinations up to 250 MHz. Get revolutionary performance and all the same user-friendly termination, labeling, and cable management features available with Siemon's popular HD5® patch panels.

## PATENTED



Black anodized panels can be mounted directly to a standard 19 inch rack or cabinet

Rear metal enclosure protects printed circuitry

Modular outlets are FCC CFR 47 part 68 subpart F and IEC 603.7 compliant and have 50 microinch gold plated contacts

Includes color-coding icon/label holders

Backward compatible – can be used with MC5™ modular cords for category 5e compatibility. Reference Siemon ITR-981124-888 for additional information

Compatible with both T568A and T568B wiring options

Pyramid™ Wire Entry System on new S310™ blocks separates paired conductors when lacing cables to simplify and reduce installation time



Includes rear cable manager to assist in proper routing of cables

## Patent Pending TRI-BALANCE™ Technology



**Jack Technology –**  
Contact pins in modular jack are optimized for maximum pair balance



**Printed Circuit Board –**  
Advanced pair balancing design with linear crosstalk response



**S310™ Punch-Down Block–**  
Quadrant pair isolation and technician-friendly termination using a single position 110 impact tool

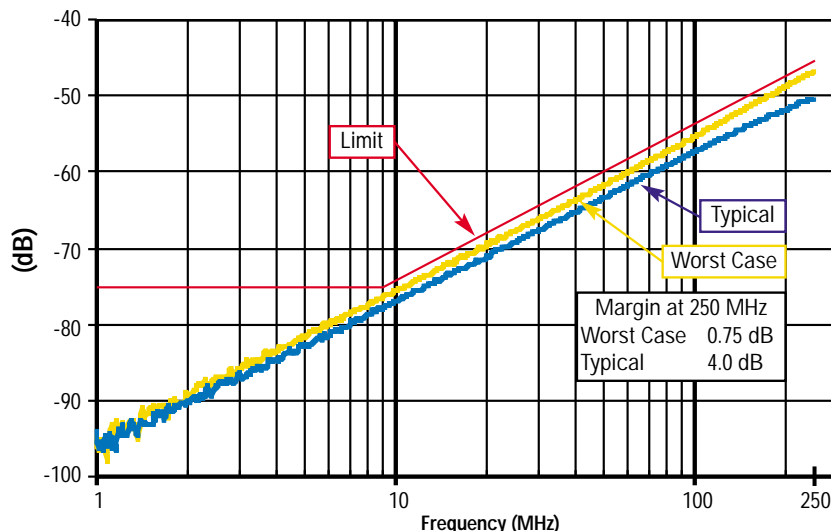
Use of the MC6™ modular cords with patent-pending KeyBar™ technology is required to unlock the performance of Siemon category 6\* products



\*At the time of printing, category 6/class E specifications were under development by TIA/EIA and ISO/IEC

## HD6™ Test Data

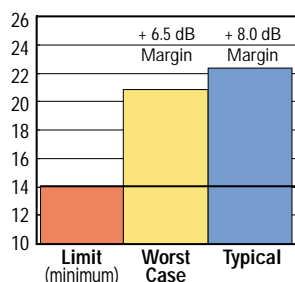
Near-End Crosstalk Performance:



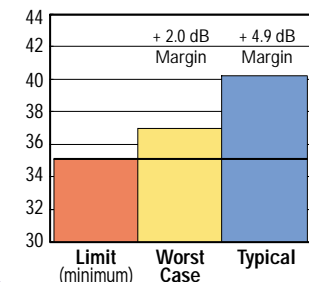
## Standards Update:

TIA, ISO, CENELEC, and others are collaborating closely on the development of category 6 and class E specifications. Their proposed requirements are very much in harmony. At this time, proposed category 6 connecting hardware performance requirements are firmly specified and unlikely to be revised further. Industry activity is currently focused on developing high frequency test methods.

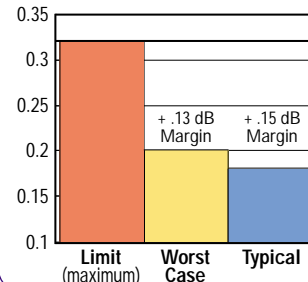
Return Loss at 250 MHz (dB)



FEXT Loss at 250 MHz (dB)



Attenuation at 250 MHz (dB)



## Ordering Information

## HD6™ Patch Panel:

HD6-16 .....16-port panel, T568A/B wiring, 1 RMS  
 HD6-24 .....24-port panel, T568A/B wiring, 1 RMS  
 HD6-48 .....48-port panel, T568A/B wiring, 2 RMS  
 HD6-96 .....96-port panel, T568A/B wiring, 4 RMS

*Panels include rear cable manager, icon label holders, designation labels, cable ties, and mounting hardware*

*Note: 1 RMS = 44.5mm (1.75 in.)*

## 12-Port HD6™ Mounted on a S89D Bracket:

HD6-89D-12.....12-port HD6™ panel, T568A/B wiring, mounted on S89D bracket  
*height: 254.0mm (10.0 in.),  
 width: 85.9mm (3.38 in.),  
 depth: 60.2mm (2.37 in.)*

HD-RWM.....Rear cable management bracket for HD6™ patch panels  
 HD5-ICON6.....Adhesive-backed strips in a package of (8) for color-coding and port designation for 24-, 48-, or 96-port panels (icons not included)  
 HD5-ICON6-LBL.....10 sheets of labels for HD5-ICON6 for laser printing (16 labels per sheet)\*  
 HD5-ICON8.....Adhesive-backed strips in a package of (4) for color-coding and port designation for 16-port panels (icons not included)

HD5-ICON8-LBL.....20 sheets of labels for HD5-ICON8 for laser printing (8 labels per sheet)\*  
 HD5-LBL-480.....Adhesive strips for sequentially numbering panel ports 1 through 480 for 24-, 48-, or 96-port panels  
 HD5-LBL6-(X).....Removable designation strips in a package of (8) for 24-, 48-, 72-, or 96-port panels  
 HD5-LBL8-(X).....Removable designation strips in a package of (4) for 16-, 32-, or 64-port panels

*Use (X) to specify color: 2 = white, 3 = red, 4 = gray, 5 = yellow, 6 = blue, 7 = green, 8 = violet, 9 = orange*

*\*Visit our web site or contact our Technical Support Department for labeling software*

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