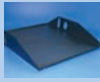
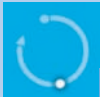




**Racks and Cable Management**



Wire Management Brackets .....74-79  
 Racks and Accessories .....80-83  
 Cable Management Panels .....84



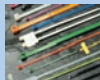
**Identification Products**



ANSI/TIA/EIA 606-A Standard Labeling .....86-93  
 Spirit 2100 Portable Printing System .....94-97  
 Software .....98-99  
 Thermal Transfer Printers .....100  
 ShrinkTrak Heat Shrinkable Markers .....101-103  
 Miscellaneous Labeling .....104-108



**Cable Management Accessories**



Grip Ties .....110-113  
 Cable Ties and Tools .....114-118  
 Mounts .....119-121  
 Clips .....122  
 Pic Pac .....123  
 El-Ty .....124  
 Aerial Support Spacer Ties .....125  
 Convoluted Tubing .....126



**Appendix and Part Number Index**

Standards Overview .....128-129  
 Technical Information .....130-133  
 Installation Practices .....134-137  
 Modular Jack Wiring Reference .....138  
 Glossary .....139-143  
 Acronyms and Abbreviations .....144  
 Part Number Index .....145-152

**Service and Support**

A nationwide team of sales and marketing experts are available to demonstrate, train, and provide more detailed information on any HellermannTyton Network Cabling Solutions product.

Phone: 800-537-1512  
 414-355-1130  
 Fax: 414-355-7341  
 Email: corp@htamericas.com  
 Website: www.hellermann.tyton.com

See back cover for contact information for HellermannTyton Canada and HellermannTyton Mexico.



ISO 14001  
Registered

ISO 9001  
Registered

## New Products



HellermannTyton North American  
Headquarters - Milwaukee, WI

HellermannTyton is a leading global manufacturer of network cabling and identification solutions. These products provide customers with the performance and value necessary to achieve higher productivity, greater efficiencies, and bottom-line savings. For over 30 years, world-class customers across the globe have experienced the HellermannTyton advantage.

HellermannTyton and its sister companies, located in over 30 countries, are able to provide integrated networking solutions which are known, used, and accepted worldwide.

### RapidNet™ Pre-Terminated Network Cabling System



RapidNet is a pre-terminated “plug and play” system which does not require on-site termination or certification testing. This dramatically reduces installation time - up to 75%. Even though installations are completed in record time, quality and performance are never compromised because each individual link is terminated and factory-tested by HellermannTyton.

### New Products From HellermannTyton!

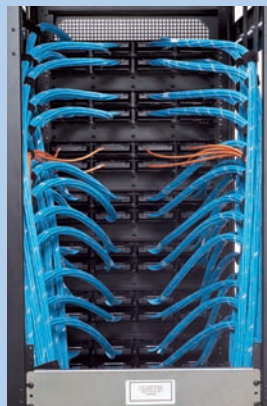


#### Reduces Installation Time By 75%

- Minimizes downtime and disruption
- Simplifies in-house cabling additions
- Accommodates strict access and deadline pressures
- Allows project deadlines to be met with a smaller staff

#### Factory Terminated and Tested

- 100% Factory-tested in a quality controlled environment
- Certification test reports provided with all links



*RapidNet cassettes snap easily into a modular panel which fits a standard 19" rack.*

- **25-Year System Warranty**
- **Category 6 Copper is ideal for 10 Gigabit Ethernet applications**
- **RapidNet Fiber is an excellent solution for extremely high bandwidth needs or extended distances**
- **Visit [www.htnetwork.com](http://www.htnetwork.com) to use the RapidNet Estimator to plan your next project**



Enhanced Horizontal  
Wire Managers  
Page 74



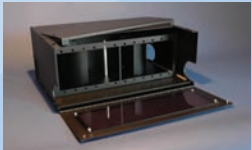
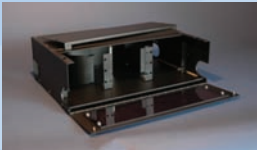
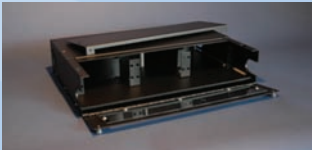
Vertical Universal  
Patch Panels  
Page 25



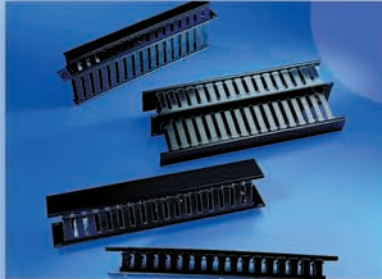
Multi-Line Telephone  
Distribution Module  
Page 49



Shielded Modular  
Jacks  
Page 13



Rack Mount  
Fiber Enclosures  
Page 41



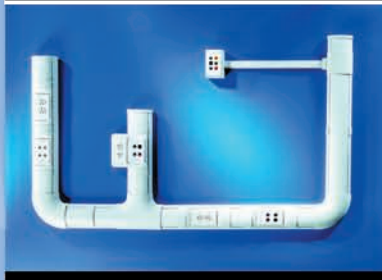
**1** Wire Managers



**2** Patch Panels



**3** Relay Racks



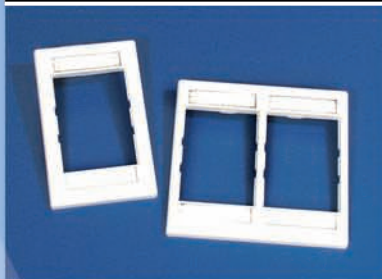
**4** Raceway



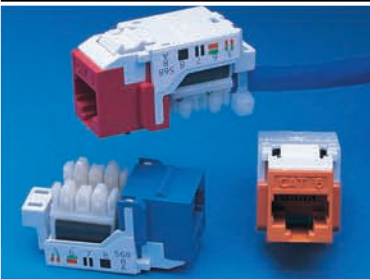
**5** Surface Mount Boxes



**6** Junction Boxes



**7** Faceplates



**8** Modular Jacks



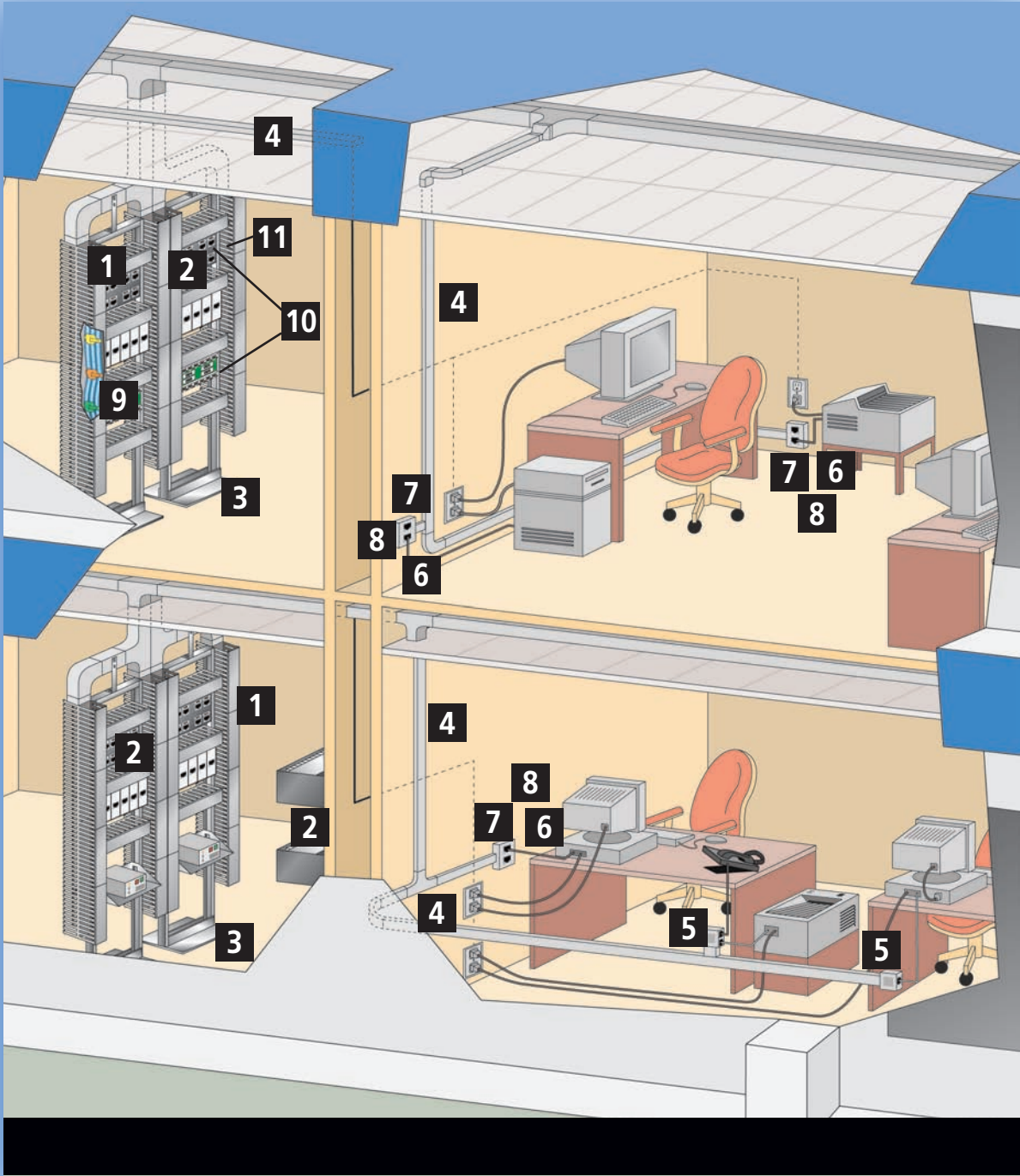
**9** Grip Ties



**10** Labeling



**11** Fiber Optics



**400 MHz**  
system supports  
data rates up to  
**4.8 Gb/s**

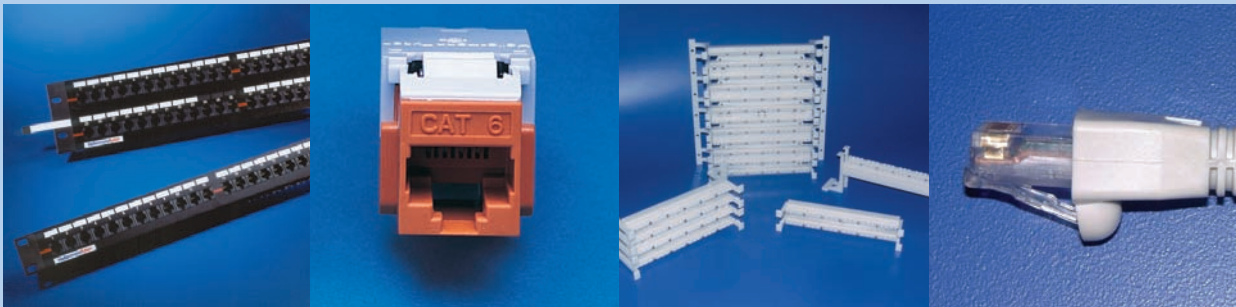
### Category 6 – GigaBand® System

**GigaBand**

The HellermannTyton Network Sciences Program is a complete system of the highest performing products, comprehensive training, and leading industry system and product warranties to guarantee high-performance, reliable installations.

The foundation of the Network Sciences program is the GigaBand Category 6 system of products. Designed to “future-proof” installations, the performance of the GigaBand system provides significant margin over the TIA/EIA Category 6 and ISO Class E requirements.\* The GigaBand system will easily support emerging applications such as Gigabit Ethernet and 622 Mbps ATM.

\*TIA/EIA-568-B.2-1 and ISO/IEC - 11801, 2nd edition

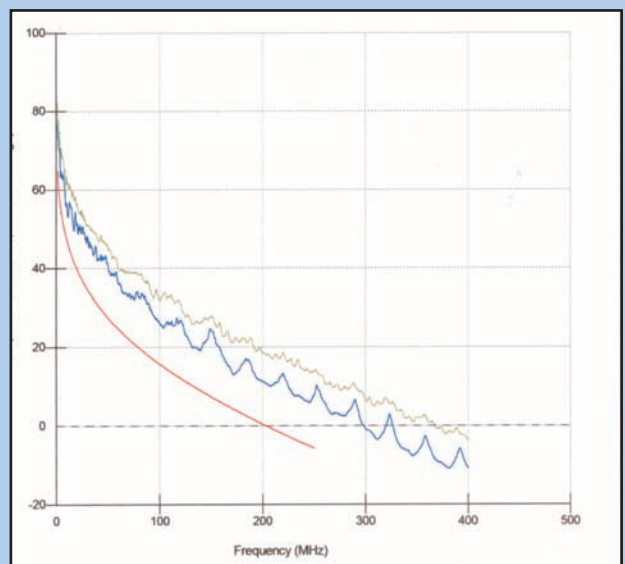


#### For more information on:

- Category 6 AlphaSnap patch panels, see page 24
- Category 6 Universal patch panels, see page 25
- Category 6 jacks, see pages 11-12
- Category 6 patch cords, see page 35

#### GigaBand Category 6 Features:

- Two different Category 6 patch panels - AlphaSnap and Universal - are available.
- AlphaSnap patch panel features modular individual ports, protected identification area, and is supplied with a rear cable manager.
- Both AlphaSnap and Universal patch panels can be wired to 568A or 568B.
- Patented Category 6 modular jack uses innovative, crosstalk cancellation technology and features unique strain relief.
- Patch cord is offered with a strain relief in up to seven different colors.
- All components are ETL Tested and approved for category 6 component compliance.



Worst case - 4 conductor channel. Test results by Intertek (ETL)

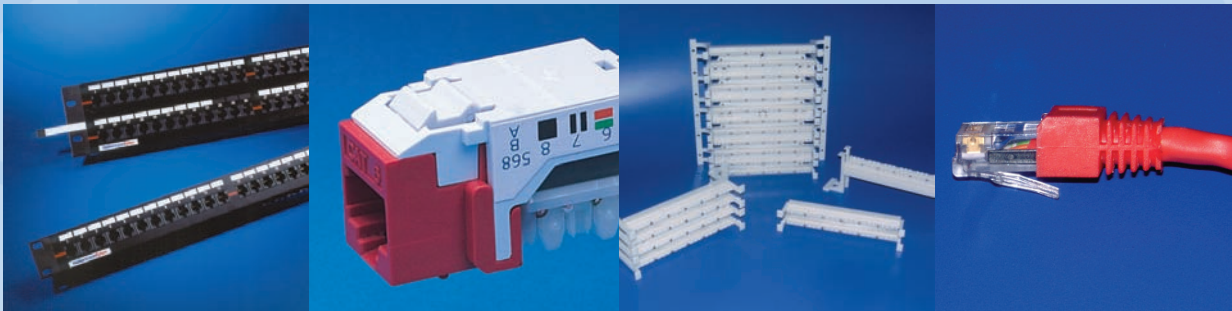
**200 MHz**  
system supports  
data rates up to  
**2.4 Gb/s**

### Category 5e – MegaBand® System

Like the GigaBand® Category 6 system, HellermannTyton's MegaBand Category 5e system is designed to make installation easier - including several features designed into the jack which make it faster to install. The MegaBand Category 5e solution exceeds the requirements in the TIA/EIA-568-B-1 standard.

When using MegaBand 5e modular jacks, patch panels, MegaBand 5e system patch cords and an approved horizontal cable\*, the channel has a positive PSACR up to 200 MHz - greatly exceeding the requirements for standards compliance.

\*We have tested most major cable manufacturers for compliance. Contact HellermannTyton for a list of approved cable manufacturers.

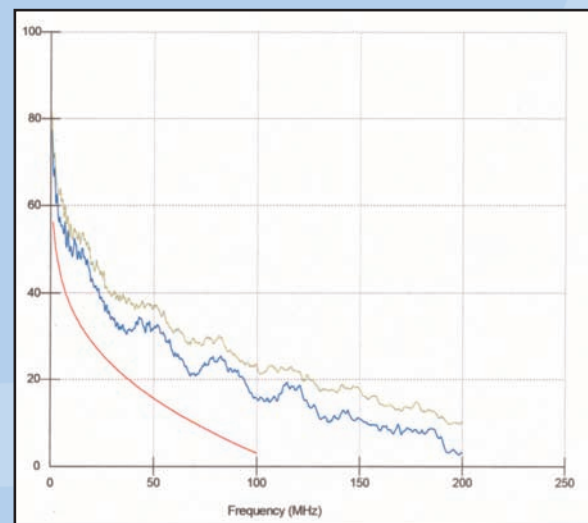


#### For more information on:

- Category 5e AlphaSnap patch panels, see page 26
- Category 5e Universal patch panels, see page 27
- Category 5e jacks, see pages 11-12
- Category 5e patch cords, see page 35

#### MegaBand Category 5e Features:

- Two different Category 5e patch panels - AlphaSnap and Universal - are available.
- AlphaSnap patch panel features modular individual ports, a protected identification area, and is supplied with a rear cable manager.
- Universal patch panel features six-port modules, a write-on label area, and has an optional rear cable management.
- Patch panels can be wired to 568A or 568B.
- Patented Category 5e modular jack uses innovative crosstalk cancellation technology and features unique strain relief.
- Patch cord is offered with a strain relief in up to seven different colors.



Worst case - 4 connector channel. Test results by Intertek (ETL)

# HellermannTyton

## Network Sciences

### Network Sciences Program

HellermannTyton's Network Sciences program is a complete system of the highest-performance products, comprehensive training, and leading industry system and product warranties to guarantee high functioning, reliable installations.

The Network Sciences Program provides a complete package to the customer including

- Full product line
- Training, installer certification program
- Comprehensive system and product warranties

The Network Sciences package assures the customer that purchasing HellermannTyton structured cabling products includes everything needed for a long-lasting, high quality installation.

Research and development are key to the Network Sciences program, and HellermannTyton globally invests substantial resources to developing new products which will continue to achieve major breakthroughs in system performance and design.

Included in the Network Sciences system are HellermannTyton's GigaBand® Category 6 and MegaBand® Category 5e structured cabling systems, which far exceed the standard requirements for each classification. Contact us for comprehensive test results or find them online at: <http://www.hellermann.tyton.com/connectivity.asp>

### Approved Cable Manufacturers

For a complete listing of HellermannTyton's approved cabling manufacturers, simply go online to: <http://www.hellermann.tyton.com/connectivity.asp>

### System Warranty

HellermannTyton assures installation dependability and maximum performance with its 25 Year Network Sciences Warranty Program. Beyond a product warranty, the Network Sciences warranty guarantees the consistent quality and performance of HellermannTyton's structured cabling products and installed systems for 25 years.

The 25 year Network Sciences warranty is only offered through HellermannTyton Certified Installers. These Certified Installers have trained and successfully passed the exams required to install a Network Sciences warranted system.

HellermannTyton Certified Installers are the essential connection between HellermannTyton connectivity products and the design, installation, testing, and maintenance of a structured cabling system.



### Product Warranty

In addition to a performance warranty, HellermannTyton also offers a lifetime warranty on its connectivity products. This warrants that the products are free of factory defects in material and workmanship.

For more warranty information online, go to: <http://www.hellermann.tyton.com/connectivity.asp>

Network Sciences Certified Installer courses are held regularly at HellermannTyton's training center in Bolingbrook, IL and are also held regionally. Contact us for more information.