



Short Form Catalog

**BELDEN IBDN™**  
**STRUCTURED CABLING SYSTEMS**  
**AND CABLING PRODUCTS**

**NORDX**

BELDEN CDT Networking®



“The cable plant is the foundation of the entire network... It’s like building a house. If you scrimp on the foundation, you put the entire house at risk.”

The GARTNER GROUP  
Independent Industry Analysts and Consultants



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## The Whole Is Greater than the Sum of Its Parts

**A new entity has emerged** from the union of two cabling industry giants: Belden Inc. and Cable Design Technologies Corp. (CDT) — now Belden CDT Inc. A major portion of this new entity, the Belden CDT Networking Division, is comprised of two equally imposing networking industry leaders: Belden Electronics Networking Group and NORDX.

Sometimes companies move along parallel paths and share similar histories — such is the case with Belden and NORDX. The origins of each of these entities traces back over 100 years and each has prospered both as independent entities and as the result of new ownership and/or strategic mergers and acquisitions.

But, the similarities between the companies go well beyond this basic framework, as they both have stayed true to their craft throughout this expanse of time — always anticipating the business demands of the marketplace, always true to the needs of their customers and end-users — evidenced by a profound commitment to quality, technological superiority and innovation.





## **Belden: A Name Synonymous with Quality and Innovation**

Belden was established in 1902 under the leadership of Joseph C. Belden, a man with a penchant for quality and originality. The company's first major breakthrough occurred in 1904 when they began supplying products for Thomas Edison. And, through the years, working in close cooperation with many industry leaders, they have supplied products for new applications that have become industry standards.

Belden has supplied cables to leading networking companies such as Cisco, Intel and IBM. In the case of Cisco (and since 1993), Belden has supplied in excess of 200 million feet of DataTwist® 350 cable which is still in use today and compliant with current industry standards.

Networking industry firsts for Belden include the following:

- > Introduction in 1993 of DataTwist 350 – delivering performance beyond Category 5e, six years before the standard!
- > Introduction in 1997 of MediaTwist® – delivering performance beyond Category 6, five years before the standard!
- > Introduction in 2001 of DataTwist 600e – the new benchmark for Beyond Cat6® cables; the only Category 6 cable with guaranteed performance up to 600 MHz.

And, as computers and computer networks evolved, so too did Belden's achievements in full, structured cabling systems, originally accomplished through engineering and marketing relationships

with industry-leading connectivity firms. Today, this dynamic, comprehensive merger integrates Belden and NORDX technologies creating a true end-to-end systems offering: Belden IBDN.™

## **NORDX: A Company Steeped in Accomplishment**

In 1895, Alexander Barrie established a cable manufacturing firm to meet the needs of the budding electrical and telephone industries. A few years later, his company was purchased by the Bell Telephone Company and eventually became part of the telecommunications giant known as Northern Telecom.

In 1976, the company designed the industry-leading BIX® IDC connector – a technology that continues to set the performance standard today, followed by a number of network industry firsts:

- > Introduction of the concept of structured cabling systems for premise networks
- > First UTP solution for 16 Mb/s Token Ring
- > First end-to-end Category 5 system
- > First 300 MHz, 4.8 Gb/s extended Category 6 system

These system accomplishments were the result of the company's strong collaboration with the end-user community, principally in terms of data-rate, bandwidth and applications potential. The result? IBDN Systems – fully optimized end-to-end structured cabling systems. And with the merger, these systems are strengthened by the industry's leader in cable technology, Belden, and are now called Belden IBDN.

## **Belden CDT Networking Division at a Glance**

- > Over 200 years of combined industry experience
- > Copper and Optical Fiber products and system solutions
- > Global presence — fully supported by the world's leading distribution firms, system designers and certified installation contractors and integrators
- > One company — offering 'one stop' shopping and not borne of a marketing/temporary alliance
- > Long-term, sustained investment in product and system research and development
- > Manufacturing processes and quality initiatives that far exceed industry standards
- > ISO certified manufacturing facilities
- > Recognized excellence in technical support and service
- > Use of rigorous cable, connectivity and system testing methodologies, with results verified by third-party, independent test facilities
- > Over 100 cable and connectivity patents
- > Leadership in networking industry standards organizations
- > Full system performance warranties
- > Over 4,300 different product offerings

## The Structured Cabling System Is Driven to Perform

To satisfy our quest for knowledge and commercial success – emphasized by the drivers listed at far right – more sophisticated and efficient networking capabilities are a necessity. In essence, all network components must now work as one; they must be part of a unified structured cabling system.

### What Constitutes a System?

The structured cabling system is composed of three major elements:

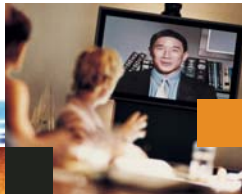
- > Cables to physically link the computer and networking devices to each other
- > Connectors to terminate the cables and allow easy plug-in/ plug-out attachment
- > Cross-connect or patch panel fields to allow easy re-deployment of the cables when moves, adds and changes in the network are required

The cabling system is the foundation of the network – supporting the communications and IT processes, from Internet/Intranet access and data exchange to e-commerce and other mission-critical applications.

### How Does the System Affect ROI?

Without a solid foundation, the network is in jeopardy. In fact, independent research indicates that while the cabling infrastructure only represents 2 to 5% of a typical IT budget, a poorly implemented or inadequate cabling system can account for up to 50% of network problems. It therefore goes without saying that an incremental increase in a company's cabling investment has the potential to provide an exponential increase in networking performance, reliability and availability, thereby increasing productivity and ROI in your business.

The demand for a high quality cabling system that delivers consistent, reliable performance must therefore become a priority for successful enterprises today.



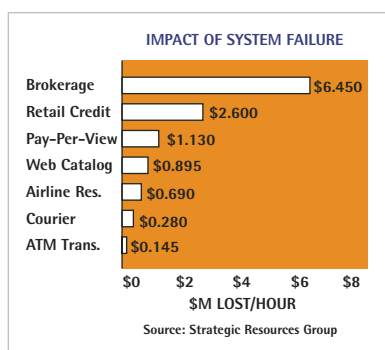
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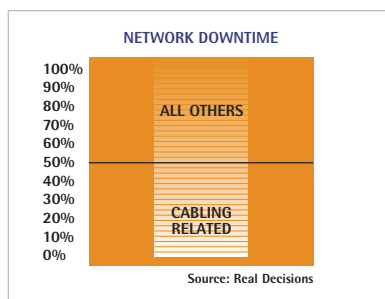


## How Important Is the Cabling Infrastructure?

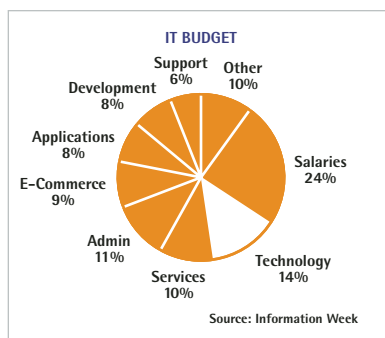
- 1 Network failures are more than irritants; they can impact a company's bottom line.



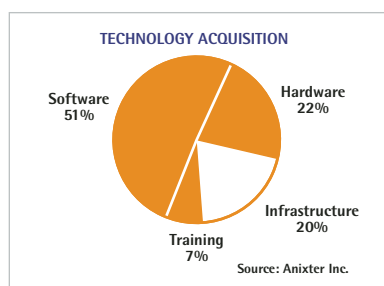
- 2 As much as 50% of network problems are related to an inadequate or underperforming cabling infrastructure.



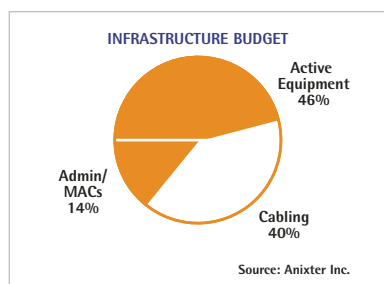
- 3 Technology acquisition typically accounts for 14% of a company's total IT budget.



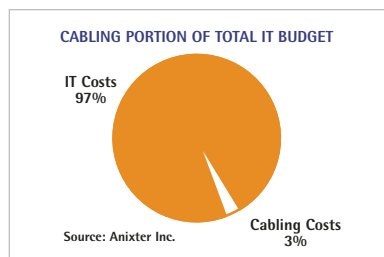
- 4 Network infrastructure typically accounts for 20% of a company's total technology acquisition spending.



- 5 Structured cabling typically accounts for 40% of a company's network infrastructure spending.



- 6 Therefore, structured cabling spending is typically between 2 and 5% of a company's total IT budget.



**An incremental increase in cabling investment can exponentially increase network performance and business productivity!**

### Key Network Dependency/ Network Expansion Drivers

#### Business

- > The Y2K Effect
- > Dot.com Implosion
- > Technology Sector Adjustments
- > Company Reorganization
- > E-commerce and Web-based Services
- > 9/11, Security and Disaster Recovery

#### Technology

##### Desktop Level:

- > Multi-GHz Processors
- > 120 Gb Local Storage
- > Communications-enabled O/Ss
- > Internet/Intranet Access
- > E-mail File Attachments
- > Instant Messaging
- > On-line Collaboration
- > Remote Databases
- > Demanding Applications

##### Enterprise Level:

- > Convergence (VoIP)
- > Wireless Access
- > Security
- > Network Access Nodes: Data Centers, SANs
- > Network Management (CMSs)
- > Gb/10Gb Ethernet

#### Industry Standards

- > TIA
- > EIA
- > ISO
- > IEEE
- > IEC
- > CSA
- > Cenelec

## What Defines a Quality System?

Quality systems are the result of both the expertise of the system supplier and the system's ability to outperform the needs of the marketplace.

To ensure solid and optimal network performance, a cabling system supplier should be evaluated on the following five criteria:

### Credentials of a Quality System Supplier

#### Credibility/Industry Standing

Belden CDT Networking Division is comprised of two long-standing networking industry leaders – Belden and NORDX.

#### System Offerings

Belden CDT Networking Division offers world-renown Belden IBDN Copper and FiberExpress systems, as well as the IntelliMAC-Plus® intelligent cabling management solution.

#### Customer Care

Belden CDT Networking Division offers direct contact with account managers and technical support personnel, a complete set of support documentation, an educational, reference-type Web site and a world-class Belden IBDN Training Center for all customers – end-users, distributors, consultants and contractors alike.

#### Business Partners

Belden CDT Networking Division has strong relationships with the industry's best global distribution partners, skilled and experienced systems contractors and integrators, and a host of professional service providers such as consultants, architects and engineers trained in Belden IBDN system design concepts.





## System Certification and Warranty Program

The Belden IBDN Certification Program is a rigorous process that ensures that your Belden IBDN 'Certified' System is composed of Belden IBDN components, designed and installed by a factory-trained Certified System Vendor. Belden IBDN 'Certified' Systems are supported by a series of warranties that surpass conventional product warranties. Certification adds important end-to-end system performance guarantees and ensures full compliance with cabling industry standard specifications – even after system installation (Installable Performance®). A 25-year Product Warranty and a Lifetime Application Assurance program accompany each Belden IBDN 'Certified' System installation. These warranty programs include coverage for both parts and labor.

## Dimensions that Define System Excellence

When selecting a cabling system you should consider the system's components, the system design and the installation quality.

### Quality Components

Belden IBDN system components are engineered to exacting specifications and manufactured under the most stringent quality controls. They surpass all accepted industry standards.

### Quality Design

Belden IBDN systems are composed of top-quality components that are designed to work together as an integrated system – exceeding all applicable industry standards.

### Quality Installation and Service

Belden IBDN systems are designed, installed and field-tested by fully trained and certified system contractors and integrators to assure superior systems performance.



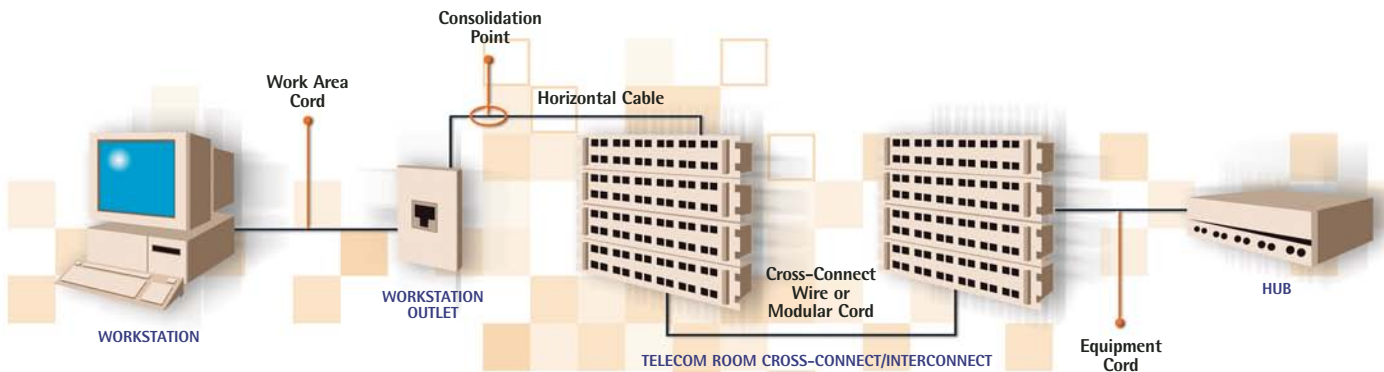
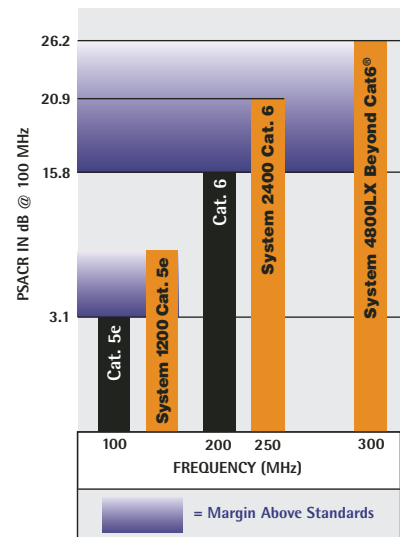
## Topping the Industry: Belden IBDN Copper Systems

Belden CDT Networking Division offers three high performance, end-to-end systems that are optimized for the Gigabit-networking era by providing superior performance beyond standards: Belden IBDN System 1200, Belden IBDN System 2400 and Belden IBDN System 4800LX.

An overview of these systems and some of the key system components follows, categorized by the applicable TIA/EIA Category Standard and each system's bandwidth and data-rate capacity.

Belden IBDN Systems outperform industry standards in anticipation of the inevitable, increased demands of tomorrow.

**BELDEN IBDN SYSTEMS EXCEED TIA/EIA CATEGORY STANDARDS**  
(Worst-case scenario: four-connector topology)



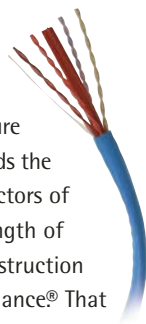


## Key Components to Belden IBDN Systems: Known for their Quality, Flexibility and Performance

### Bonded-Pair and Unbonded-pair UTP Cables

Belden IBDN Systems can be designed and installed using either Bonded-Pair UTP cables or unbonded-pair UTP cables. Both types of cable offer performance well beyond the standards.

Bonded-Pair UTP cables – DataTwist 350, MediaTwist and DataTwist 600e – feature a patented design that bonds the individual insulated conductors of each pair along the full length of the cable. This bonded construction delivers Installable Performance®. That is, Bonded-Pair cables are consistent in the distance between the conductors and in the amount of twist, throughout the installation process, so they deliver the same, superior electrical performance both before and *after* the cable's installation.



Our unbonded-pair family of cables include GigaFlex 1200, 2400 and 4800LX cables. These cables incorporate a patented design which provides complete quality control during the manufacturing process. This allows us to provide high quality cables that consistently offer improved channel performance and large margins over the standards. These cables will provide the capacity and performance to maximize your overall network performance.



### GigaFlex Modules

These punch down UTP connectors are based on a patented Encapsulated Lead Frame technology that ensures long-term reliability, as well as extremely stable transmission performance. Lead frame technology is inherently more reliable than PCB-based technology as it uses a single, uninterrupted copper contact path through the connector. The design of the GigaFlex Module allows signals to pass virtually unchanged through the connector, providing greater system performance.



### GigaBIX, featuring BIX Technology

This uniquely designed solution is centered around an extremely compact connector equipped with double-sided Insulation Displacement Connection (IDC) clips. The benefit is a considerable reduction in the space that would be required by conventional connecting systems of the same pair count.



The density of BIX technology is second to none, allowing up to three hundred pairs to be terminated in a very small area. A real space saver, especially in today's office environment where real estate is at a premium.

### Intelligent Management

Maintain the quality of your system by monitoring it with the IntelliMAC-Plus Solution. This solution is based on sensors that are embedded throughout the structured cabling system, which allow information to be transmitted back and forth between the ports and a centralized database in real-time.



IntelliMAC-Plus allows you to:

- > Maximize your assets by knowing exactly which patch panel and switch ports are in use
- > Reduce downtime by alerting personnel when any unplanned move, add or change is detected
- > Reduce labor costs and maintain database accuracy by automatically transmitting move, add and change information to the database
- > Reduce labor costs by guiding technicians to perform error-free moves, adds and changes
- > Access real-time information and manage remote sites 24/7 through the Internet

## Belden IBDN Copper Systems

### Belden IBDN System 1200 (Cat. 5e) – 1.2 Gb/s – 160 MHz

If your business is riding the current wave of growth and expansion, you may be considering new ways of doing business and a new or upgraded IT system to support these new strategies. This is the ideal time to plan and implement a new cabling system or to upgrade your existing infrastructure.

This Category 5e system was developed to support high-speed network applications such as Gigabit Ethernet and provides clear bandwidth up to 160 MHz; an increase of 60% over Cat. 5e standard of 100 MHz. Standards organizations and industry associations such as TIA/EIA and IEEE now recommend Category 5e cabling systems for all new cabling installations.

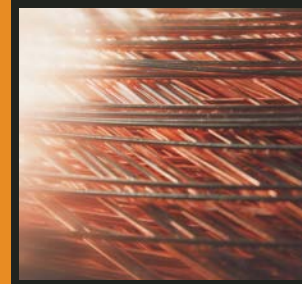
### Belden IBDN Copper Systems: Primary Selection of Components

| SOLUTIONS            |                             |                      |  | BACKBONE CABLE*             |               | TELECOM ROOM                          |               |
|----------------------|-----------------------------|----------------------|--|-----------------------------|---------------|---------------------------------------|---------------|
| BELDEN IBDN SYSTEMS  | AVAILABLE CHANNEL BANDWIDTH | GUARANTEED DATA RATE | UTP CHANNEL STD COMPLIANCE                           | 4-PAIR CABLES               | CATALOG PG NO | CROSS-CONNECT HARDWARE                | CATALOG PG NO |
| BELDEN IBDN 1200     | 160 MHz<br>PowerSum         | 1.2 Gb/s             | Cat. 5e*<br>TIA/EIA<br>ISO/IEC<br>IEEE Gigabit       | DataTwist® 350 1700 (CMR)   | 67            | GigaBIX® Cross-Connect System         | 14            |
|                      |                             |                      |  | DataTwist 350 1701 (CMP)    | 67            |                                       |               |
|                      |                             |                      |  | DataTwist 350 1701 (CMP-50) | 67            |                                       |               |
|                      |                             |                      |  | GigaFlex® 1212 (CMR)        | 68            |                                       |               |
|                      |                             |                      |  | GigaFlex 1213 (CMP)         | 68            |                                       |               |
| GigaFlex 1224 (LSOH) | 68                          | PS5E BIX Patch Panel | 37   |                             |               |                                       |               |
|                      |                             |                      |  |                             |               | PS5E HD-BIX Patch Panel               | 36            |
|                      |                             |                      |  |                             |               | PS5E HD-110 Patch Panel               | 36            |
|                      |                             |                      |  |                             |               | Flex Patch Panel/EZ-MDVO PS5E Module  | 37/43         |
|                      |                             |                      |  |                             |               | Flex Patch Panel/GigaFlex PS5E Module | 37/42         |
|                      |                             |                      |  |                             |               | 110 Cross-Connect System              | 29            |
| BELDEN IBDN 2400     | 250 MHz<br>PowerSum         | 2.4 Gb/s             | Cat. 6**<br>TIA/EIA<br>ISO/IEC<br>IEEE Gigabit       | MediaTwist® 1872 (CMR)      | 65            | GigaBIX Cross-Connect System          | 14            |
|                      |                             |                      |  | MediaTwist 1874 (CMP)       | 65            |                                       |               |
|                      |                             |                      |  | GigaFlex 2412 (CMR)         | 65            |                                       |               |
|                      |                             |                      |  | GigaFlex 2413 (CMP)         | 65            |                                       |               |
|                      |                             |                      |  | GigaFlex 2424 (LSOH)        | 65            |                                       |               |
|                      |                             |                      |  |                             |               | Flex Patch Panel/GigaFlex PS6+ Module | 37/41         |
| BELDEN IBDN 4800LX   | 300 MHz<br>PowerSum         | 4.8 Gb/s             | Beyond Cat6***<br>TIA/EIA<br>ISO/IEC<br>IEEE Gigabit | DataTwist 600e 7851 (CMR)   | 64            | GigaBIX Cross-Connect System          | 14            |
|                      |                             |                      |  | DataTwist 600e 7852 (CMP)   | 64            |                                       |               |
|                      |                             |                      |  | GigaFlex 4812LX (CMR)       | 64            |                                       |               |
|                      |                             |                      |  | GigaFlex 4813LX (CMP)       | 64            |                                       |               |
|                      |                             |                      |  | GigaFlex 4824LX (LSOH)      | 64            |                                       |               |
|                      |                             |                      |  |                             |               | Flex Patch Panel/GigaFlex PS6+ Module | 37/41         |

\*ANSI/TIA/EIA-568-B.1, ISO/IEC 11801 2nd Edition and IEEE 802.3ab. \*\*ANSI/TIA/EIA-568-B.2, ISO/IEC 11801 2nd Edition and IEEE 802.3ab.

†Backbone can be configured with Belden IBDN FiberExpress Optical Fiber Cable.

‡Installable Performance guarantees are available on Bonded-Pair cables. Since the insulated conductors of the pairs are bonded along their longitudinal axes, Bonded-Pair cables remain intact during the installation process, so there is no separation of pair conductors and no degradation of the cables' electrical characteristics.



### Belden IBDN System 2400 (Cat. 6) – 2.4 Gb/s – 250 MHz

If leading-edge communication systems are an element of your competitive strategy and if you consider information technology as one of the drivers of your bottom line, you should consider the speed, reliability and performance advantages of this system.

This Category 6 system meets or exceeds all requirements of the TIA/EIA Category 6 standard specifications and delivers 250 MHz, a 25% increase over the 200 MHz bandwidth of typical

Category 6 compliant channels. The Belden IBDN System 2400 provides the performance, throughput and reliability necessary to keep your critical applications operating at peak performance.

### Belden IBDN System 4800LX (Beyond Cat6) – 4.8 Gb/s – 300 MHz

If every bit of information that your company processes is mission critical, you need the performance and reliability that is built into the Belden IBDN System 4800LX.

This enhanced Category 6 system was conceived to support the most demanding, ultra-high speed and multi-Gigabit protocols, providing blistering performance.

The Belden IBDN System 4800LX is the industry's first 300 MHz system, far exceeding all TIA/EIA Category 6 specifications.

|                             |               | HORIZONTAL CABLE            |               |  | WORK AREA                                  |                 |               |               |
|-----------------------------|---------------|-----------------------------|---------------|--|--|-----------------|---------------|---------------|
| CROSS-CONNECT PATCH SYSTEM  | CATALOG PG NO | 4-PAIR CABLES               | CATALOG PG NO | INSTALLABLE PERFORMANCE <sup>®++</sup> | OUTLETS CONNECTORS – FACEPLATES & ADAPTERS | CATALOG PAGE NO | MODULAR CORDS | CATALOG PG NO |
| GigaBIX Cross-Connect Wire  | 17            | DataTwist 350 1700 (CMR)    | 67            | ●                                      | PS5E BIX DVO Outlet                        | 57              | GigaFlex      | 62            |
| GigaBIX PS5E Patch Cords    | 16            | DataTwist 350 1701 (CMP)    | 67            | ●                                      | EZ-MDVO PS5E Module                        | 43              | PS5E          |               |
|                             |               | DataTwist 350 1701 (CMP-50) | 67            | ●                                      | GigaFlex PS5E Module                       | 42              | Modular       |               |
| GigaFlex PS5E Modular Cords | 62            | GigaFlex 1212 (CMR)         | 68            |  | MediaFlex Outlets                          | 45              | Cords         |               |
|                             |               | GigaFlex 1213 (CMP)         | 68            |  | Interface Plates                           | 49              |               |               |
|                             |               | GigaFlex 1224 (LSOH)        | 68            |  | MDVO Faceplates                            | 50              |               |               |
|                             |               |                             |               |  | MDVO Adapters                              | 52              |               |               |
|                             |               |                             |               |  | European-style Faceplates                  | 54              |               |               |
|                             |               |                             |               |  | French-style Faceplates                    | 54              |               |               |
| PS5E 110 Patch Cords        | 31            |                             |               |  |  |                 |               |               |
| GigaBIX Cross-Connect Wire  | 17            | MediaTwist 1872 (CMR)       | 65            | ●                                      | GigaFlex PS6+ Module                       | 36              | GigaFlex      | 61            |
| GigaBIX PS6+ Patch Cords    | 16            | MediaTwist 1874 (CMP)       | 65            | ●                                      | MediaFlex Outlets                          | 45              | PS6+          |               |
|                             |               | GigaFlex 2412 (CMR)         | 65            |  | Interface Plates                           | 49              | Modular       |               |
| GigaFlex PS6+ Modular Cords | 61            | GigaFlex 2413 (CMP)         | 65            |  | MDVO Faceplates                            | 50              | Cords         |               |
|                             |               | GigaFlex 2424 (LSOH)        | 65            |  | MDVO Adapters                              | 52              |               |               |
|                             |               |                             |               |  | European-style Faceplates                  | 54              |               |               |
|                             |               |                             |               |  | French-style Faceplates                    | 54              |               |               |
| GigaBIX Cross-Connect Wire  | 17            | DataTwist 600e 7851 (CMR)   | 64            | ●                                      | GigaFlex PS6+ Module                       | 36              | GigaFlex      | 61            |
| GigaBIX PS6+ Patch Cords    | 16            | DataTwist 600e 7852 (CMP)   | 64            | ●                                      | MediaFlex Outlets                          | 45              | PS6+          |               |
|                             |               | GigaFlex 4812LX (CMR)       | 64            |  | Interface Plates                           | 49              | Modular       |               |
| GigaFlex PS6+ Modular Cords | 61            | GigaFlex 4813LX (CMP)       | 64            |  | MDVO Faceplates                            | 50              | Cords         |               |
|                             |               | GigaFlex 4824LX (LSOH)      | 64            |  | MDVO Adapters                              | 52              |               |               |
|                             |               |                             |               |  | European-style Faceplates                  | 54              |               |               |
|                             |               |                             |               |  | French-style Faceplates                    | 54              |               |               |

## Belden IBDN FiberExpress Systems

### The System's Cornerstone: FiberExpress Manager



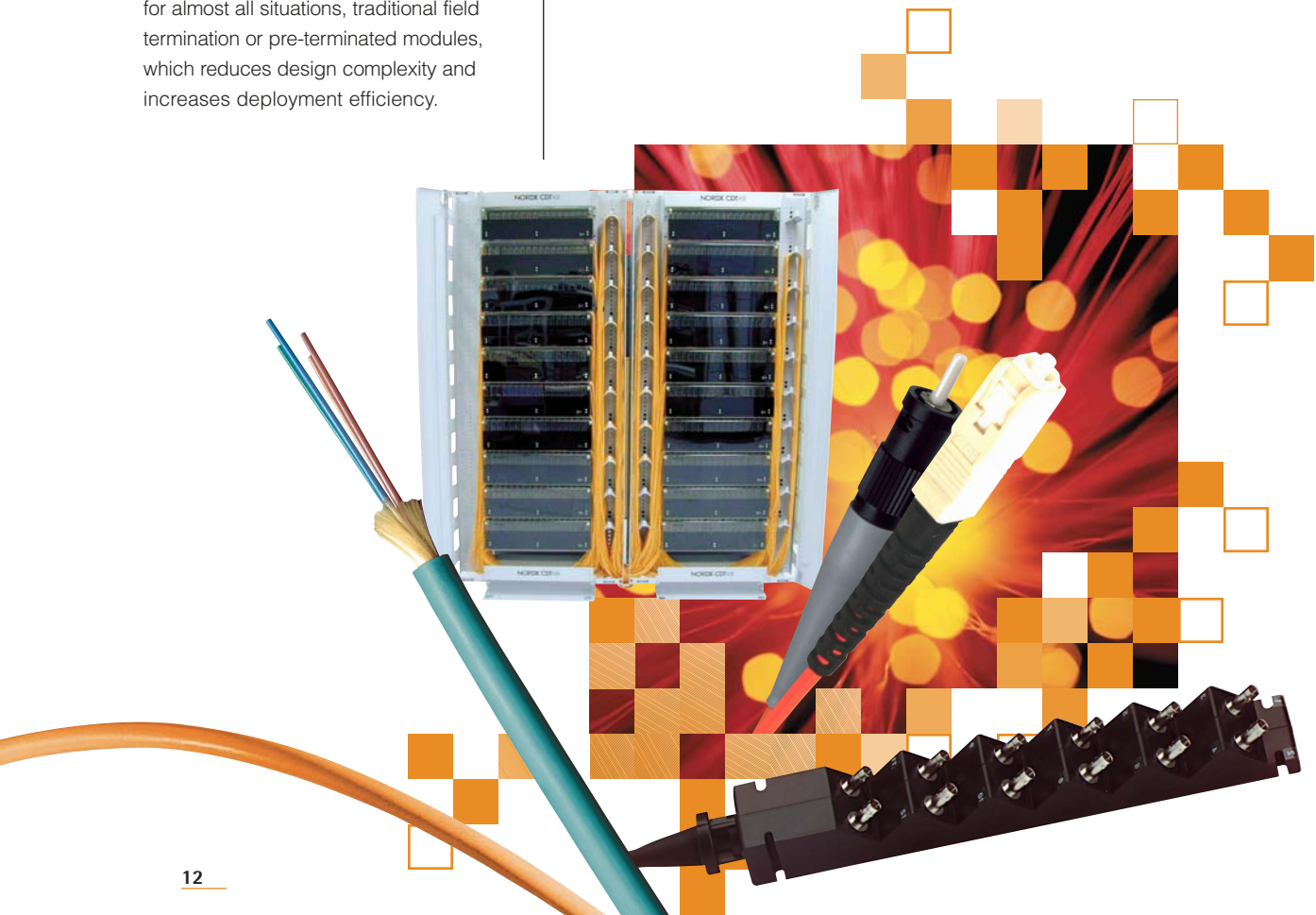
Fiber management becomes easier than ever before with the FiberExpress Manager. Designed to streamline termination, connection and maintenance activities the FiberExpress Manager uses a scalable, modular approach to adapt to a wide variety of situations. The total system provides extra high connection density while facilitating cable routing and patch cord management. The FiberExpress manager is adaptable for almost all situations, traditional field termination or pre-terminated modules, which reduces design complexity and increases deployment efficiency.

Optical fiber systems offer many benefits: high bandwidth and transmission speed, the potential for network growth, extended reach, fault tolerance, greater data security and support for Gigabit and multi-Gigabit protocols and networked applications.

Beyond these traditional benefits, however, Belden CDT Networking Division offers the FiberExpress Solution, a complete end-to-end cabling system supporting both centralized and fiber-to-the-desk

topologies, as well as backbone and campus cabling configurations. Our FiberExpress Solutions meet or exceed all applicable TIA/EIA, ISO/IEC and IEEE standards and offer:

- > Reduced design complexities
- > Greater deployment facility
- > Quick installation
- > Increased flexibility
- > Cost effective pricing





| FIBER CHANNEL TOPOLOGY   |                |  |                              |                         |  |
|--|----------------|--|------------------------------|-------------------------|--|
| IBDN FiberExpress® SYSTEM MATRIX   | CATALOG PG NOS | FIBER-TO-THE-DESK (FTTD) & CENTRALIZED FIBER | FIBER BACKBONE (In-Building) | Fiber BACKBONE (Campus) | FiberExpress PRE-TERMINATED SOLUTIONS* |
| <b>FiberExpress CABLES</b>   |                |  |                              |                         |  |
| Distribution & Breakout Cable Series: MM & SM                              | 97 & 98        | ●  | ●                            |                         |  |
| Interconnect Cable Series: MM & SM   | 101            | ●  |                              |                         |  |
| Loose Tube (Campus) Cable Series: MM & SM                                  | 100            |  | ●                            | ●                       |  |
| MPO Cable Assemblies: MM & SM  | 85             | ●  | ●                            | ●                       | ●                                      |
| <b>CROSS-CONNECT HARDWARE IN THE TELECOM ROOM</b>                          |                |  |                              |                         |  |
| FiberExpress Manager With FiberExpress Manager Connector Modules: MM & SM  | 90 & 91        | ●  | ●                            | ●                       | ●                                      |
| FiberExpress Rack Mount Patch Panel with Universal Adapter Strips: MM & SM | 92 & 94        | ●  | ●                            | ●                       |  |
| FiberExpress Wall Mount Patch Panel with Universal Adapter Strips: MM & SM | 93 & 94        | ●  | ●                            | ●                       |  |
| FiberExpress Bar: MM & SM  | 86             | ●  | ●                            | ●                       | ●                                      |
| <b>PATCH CORDS IN THE TELECOM ROOM AND AT THE WORK AREA</b>                |                |  |                              |                         |  |
| FiberExpress Patch Cords: MM & SM  | 84             | ●  | ●                            | ●                       | ●                                      |
| <b>OUTLETS AT THE WORK AREA</b>  |                |  |                              |                         |  |
| MDVO Multimedia Outlets with MDVO Multimedia Modules                       | 55             | ●  |                              |                         |  |
| MediaFlex Outlets with MediaFlex Multimedia Inserts                        | 45/48          | ●  |                              |                         |  |
| FiberExpress Bar: MM & SM (as MUTOA)                                       | 86             | ●  |                              |                         | ●                                      |
| <b>FIBER CONNECTIVITY</b>  |                |  |                              |                         |  |
| Optimax® Connectors: MM & SM   | 82             | ●  | ●                            | ●                       |  |
| Epoxy Field Mountable Connectors: MM & SM                                  | 83             | ●  | ●                            | ●                       |  |
| Fiber Pigtailed: MM & SM   | 84             | ●  | ●                            | ●                       |  |

MM = Multimode • SM = Singlemode

\* FiberExpress Pre-terminated Solutions provide simple-to-install, high-performance fiber channels through custom length, high precision factory terminated cables and matching optical connectivity components.

### Optimax Field-installable Optical Fiber Connectors

Optimax is a revolutionary field-installable optical fiber connector. The unique design of the patented mechanical splice body of Optimax incorporates a factory mounted fiber stub and a pre-polished ceramic ferrule. This technology consistently provides a fast, secure and reliable LC, SC or ST compatible optical fiber termination for multimode or singlemode cable. All critical steps are performed in the factory, ensuring a superior quality connection every time.



### Pre-terminated Technology

Based on the concept of building blocks, the complete range of pre-terminated FiberExpress components bring flexibility to the design stage. The in-factory fabrication and verification of pre-terminated connections ensures the high-performance and high-quality of the product. These products are “plug and go” and their deployment requires no specialized tools — you can deploy 12 fibers in the same amount of time it takes to connect a power cord to a standard electrical plug. This pre-terminated technology will help to preserve the initial investment by its ability to be re-deployed while always ensuring quality results.

Start designing your own solution by selecting from the thousands of products featured in the following pages.



# Copper Media

GigaBIX Multi System

## GigaBIX Termination Kits



**AX101985** GigaBIX Rack Mount Termination Kit, 48-port

## GigaBIX Termination Kits

The **GigaBIX Termination Kits** contain all components required to terminate cables in a GigaBIX Cross-Connect or Interconnect System. The Termination Kits allow for the most cost-effective Category 6 cross-connect or interconnect installations using GigaBIX Cross-Connect Wire or GigaBIX PS6+ Patch Cords. The GigaBIX Mount is designed to accommodate high-performance cables. The GigaBIX Connectors have color-coded edges, separation marks and a keying feature that prevents connector insertion in the wrong orientation. Each kit also contains Wire Guards, Designation Strips, Designation Labels, Velcro ties and a detailed installation guide.



**AX101470** GigaBIX Termination Kit, 72-port

| DESCRIPTION                                      | ORDERING NUMBER |
|--|-----------------|
| GigaBIX Termination Kit, 72-port                 | AX101470        |
| GigaBIX Termination Kit, 300-pair                | AX101471        |
| GigaBIX Rack Mount Termination Kit, 48-port, NEW | AX101985        |

## GigaBIX Basic Components



**AX101447** GigaBIX Connector, 6-port

## GigaBIX Connector

The **GigaBIX Connector** is the core component of the GigaBIX Multi System. Its symmetrical construction allows termination of high-performance cables on one side and GigaBIX Cross-Connect Wires or GigaBIX Patch Cords on the other. Each GigaBIX Connector is equipped with 50 double-ended Insulation Displacement Connection (IDC) clips for terminating plastic insulated solid copper conductors without stripping. The connector is built with two staggered rows of IDC clips enclosed in a three-layer construction of fire-retardant plastic wafers. The GigaBIX Connectors have color-coded edges, separation marks and a keying feature that prevents connector insertion in the wrong orientation. The GigaBIX Connector offers exceptional performance that goes Beyond Category 6 which makes it the ideal choice for gigabit cabling networks.

| DESCRIPTION                | ORDERING NUMBER |
|----------------------------|-----------------|
| GigaBIX Connector, 6-port  | AX101447        |
| GigaBIX Connector, 25-pair | AX101448        |

## GigaBIX Basic Components

### GigaBIX Mount

The GigaBIX Mount is one of the basic components of the GigaBIX Multi System.

**The GigaBIX Mount** for wall installations holds 12 GigaBIX Connectors and is designed to accommodate up to 144 high-performance cables when used in a top-to-bottom cross-connect layout.

**The GigaBIX Rack Mount Panel** allows for customizing rack mount installations for data, voice or multimedia installations. This panel can accommodate up to 8 GigaBIX Connectors, for a total of 48 terminations of 4-pair UTP cables, or up to 4 GigaBIX/MediaFlex Adapters for a total of 48 multimedia ports.



AX101986 GigaBIX Rack Mount Panel



AX101472 GigaBIX Mount

### GigaBIX Wire Guard

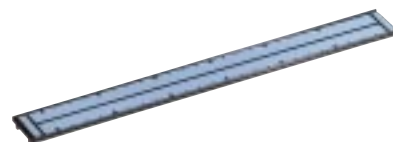
**The GigaBIX Wire Guards** are plastic strips that snap behind the GigaBIX Connectors after termination to provide strain relief to the twisted pairs. They come as part of the GigaBIX Termination Kits and can also be ordered separately as replacement components.



AX101486 GigaBIX Wire Guard

### GigaBIX Designation Strip

**The GigaBIX Designation Strips** are plastic strips that snap between the GigaBIX Connectors to apply the designation labels. They come as part of the GigaBIX Termination Kits and can also be ordered separately as replacement components. (See the LabelFlex section for designation labels.)



AX101483 GigaBIX Designation Strip, shown here with label

| DESCRIPTION                            | ORDERING NUMBER |
|--|-----------------|
| GigaBIX Mount, 12-connector            | AX101472        |
| GigaBIX Rack Mount Panel, 48-port, NEW | AX101986        |
| GigaBIX Wire Guard                     | AX101486        |
| GigaBIX Designation Strip              | AX101483        |

# Copper Media

GigaBIX Multi System

## GigaBIX/MediaFlex Adapter



AX101987 GigaBIX/MediaFlex Adapter

## GigaBIX/MediaFlex Adapter

The **GigaBIX/MediaFlex Adapter** allows for mixed media installation within the expanded GigaBIX Multi family of connectivity. The GigaBIX/MediaFlex Adapter can accommodate a variety of MediaFlex inserts including UTP and multimedia inserts to customize multimedia installation in Telecommunications Rooms, Equipment Rooms, or Consolidation Points.

| DESCRIPTION                    | ORDERING NUMBER |
|--------------------------------|-----------------|
| GigaBIX/MediaFlex Adapter, NEW | AX101987        |

## GigaBIX Patch Cords



AX101945 GigaBIX PS6+ Patch Cord, BIX-BIX, 4 ft.



AX101951 GigaBIX PS6+ Patch Cord, BIX-8MOD, 4 ft.

## GigaBIX Patch Cord

GigaBIX Patch Cords allow for high-density connections, coupled with flexibility for cost-effective installation and administration. Plug-and-go installation and rearrangement of patch cords do not require any special tools or training. GigaBIX Patch Cords are available in two different configurations; BIX-BIX patch cord configurations for easy cross-connection between equipment and distribution fields, and BIX-8MOD patch cord configurations to easily interconnect equipment utilizing 8-position modular jacks directly into GigaBIX Connectors in the distribution field.

The **GigaBIX PS6+ Patch Cords** are 4-pair 23 AWG UTP cords. They are used in the GigaBIX Multi System as part of a Belden IBDN System 2400 and System 4800LX, providing a channel bandwidth of 250 MHz and 300 MHz respectively.

The **GigaBIX PS5E Patch Cords** are used in the GigaBIX Multi System as part of a Belden IBDN System 1200, providing outstanding channel bandwidth of 160 MHz.

| DESCRIPTION             | ORDERING NUMBER | ORDERING NUMBER     | ORDERING NUMBER    |
|-------------------------|-----------------|---------------------|--------------------|
| GIGABIX PS6+ PATCH CORD | BIX-BIX         | BIX-8MOD T568A-ISDN | BIX-8MOD T568B-ALT |
| 1.2 m (4 ft.), NEW      | AX101945        | AX101951            | AX101957           |
| 1.8 m (6 ft.), NEW      | AX101946        | AX101952            | AX101958           |
| 2.4 m (8 ft.), NEW      | AX101947        | AX101953            | AX101959           |
| 3.0 m (10 ft.), NEW     | AX101948        | AX101954            | AX101960           |
| 4.6 m (15 ft.), NEW     | AX101949        | AX101955            | AX101961           |
| 7.6 m (25 ft.), NEW     | AX101950        | AX101956            | AX101962           |
| GIGABIX PS5E PATCH CORD |                 |                     |                    |
| 1.2 m (4 ft.), NEW      | AX101963        | AX101969            | AX101975           |
| 1.8 m (6 ft.), NEW      | AX101964        | AX101970            | AX101976           |
| 2.4 m (8 ft.), NEW      | AX101965        | AX101971            | AX101977           |
| 3.0 m (10 ft.), NEW     | AX101966        | AX101972            | AX101978           |
| 4.6 m (15 ft.), NEW     | AX101967        | AX101973            | AX101979           |
| 7.6 m (25 ft.), NEW     | AX101968        | AX101974            | AX101980           |

## GigaBIX Cross-Connect Wire

### GigaBIX Cross-Connect Wire

**GigaBIX Cross-Connect Wire** is intended for use between GigaBIX cross-connect fields in a Telecommunications Room or in a Main Cross-Connect Frame. Using GigaBIX Cross-Connect Wire allows for very flexible and cost-effective installations. The cut-to-length jumper eliminates need for slack management and guarantees permanent installation aesthetics. The GigaBIX Cross-Connect Wire offers transmission performance that goes Beyond Category 6 providing additional margin to support gigabit applications.



24570521 GigaBIX Cross-connect Wire, 4-pair

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| GigaBIX Cross-Connect Wire, 4-pair, Wh/Bl/Wh/Or/Wh/Gr/Wh/Br, 305 m (1000 ft.), Spool        | 24570521        |
| GigaBIX Cross-Connect Wire, 4-pair, Wh/Bl/Wh/Or/Wh/Gr/Wh/Br, 305 m (1000 ft.), Spool-in-Box | 24577B15        |

## GigaBIX Cable Management Accessories

### GigaBIX Colored Service Clips

The **GigaBIX Colored Service Clip** is a single-pair plastic clip that snaps on the GigaBIX connectors to visually identify various services when using GigaBIX Cross-Connect Wire.



AX102154 GigaBIX Color-Coded Clip

| DESCRIPTION                      | ORDERING NUMBER |
|----------------------------------|-----------------|
| GigaBIX Color-Coded Clip, Gray   | AX102146        |
| GigaBIX Color-Coded Clip, Almond | AX102147        |
| GigaBIX Color-Coded Clip, White  | AX102148        |
| GigaBIX Color-Coded Clip, Black  | AX102149        |
| GigaBIX Color-Coded Clip, Orange | AX102150        |
| GigaBIX Color-Coded Clip, Red    | AX102151        |
| GigaBIX Color-Coded Clip, Yellow | AX102152        |
| GigaBIX Color-Coded Clip, Green  | AX102153        |
| GigaBIX Color-Coded Clip, Blue   | AX102154        |
| GigaBIX Color-Coded Clip, Purple | AX102155        |
| GigaBIX Color-Coded Clip, Brown  | AX102156        |

### GigaBIX Cable Management Accessories (continued)



AX101469 GigaBIX Cable Management Module

### GigaBIX Cable Management Module

The **GigaBIX Cable Management Module** is designed to be used with a wall mount solution. The accessory allows all terminated cables to be brought from the same side (top or bottom) in a high-density GigaBIX installation (4-mount stack). The modules are stackable side-to-side and top-to-bottom with alignment features to ease installation. The modules can be used horizontally to create a horizontal management channel for more flexibility in a side-to-side patching layout using GigaBIX Patch Cords.



AX101468 GigaBIX Patch Cord Organizer

### GigaBIX Patch Cord Organizer

The **GigaBIX Patch Cord Organizer** is designed to be used with a wall mount solution. The Patch Cord Organizer is a metal trough that interlocks with GigaBIX Mounts to create a vertical management channel for GigaBIX Patch Cords. The Patch Cord Organizer has 6 openings per side to nicely dress the patch cords while clearing the labeling area on the GigaBIX Mount. The organizer can be assembled over Cable Management Modules in large patch cord installations. A Patch Cord Organizer Cover can be purchased separately to hide the patch cords and give a very professional and high-tech look to the installation.



AX101521 GigaBIX Patch Cord Organizer Cover

| DESCRIPTION                         | ORDERING NUMBER |
|-------------------------------------|-----------------|
| GigaBIX Cable Management Module     | AX101469        |
| GigaBIX Patch Cord Organizer        | AX101468        |
| GigaBIX Patch Cord Organizer, Cover | AX101521        |

## GigaBIX Cable Management Accessories (continued)

### Horizontal Channel Plate

**Horizontal Channel Plates** are metal plates that attach to the Patch Cord Organizers to create a horizontal management channel for GigaBIX Patch Cords. The plates are used in pairs and are designed to keep patch cords inside the horizontal channel.



**AX101520** Horizontal Channel Plate

### GigaBIX Management Ring

**The GigaBIX Management Ring** is a plastic ring that interlocks with the GigaBIX Mounts to create a high-density wall mount cross-connect system. The rings are assembled in systems when using cross-connect wire and have a capacity of 450 GigaBIX Cross-Connect Wires (1800-pairs total).



**AX101478** GigaBIX Management Ring

| DESCRIPTION              | ORDERING NUMBER |
|--------------------------|-----------------|
| Horizontal Channel Plate | AX101520        |
| GigaBIX Management Ring  | AX101478        |

# Copper Media

GigaBIX Multi System

## GigaBIX Cable Management Accessories (continued)

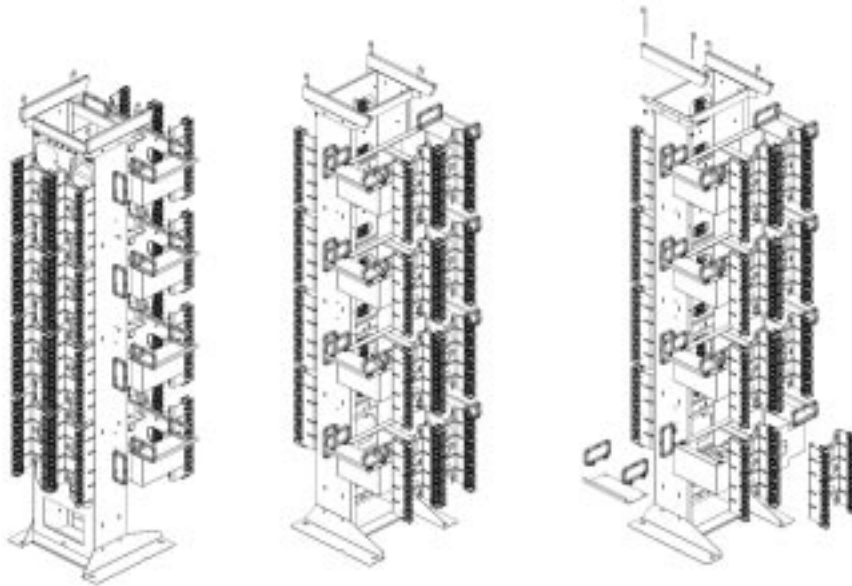
### GigaBIX Distribution Frame & Accessories

GigaBIX Distribution Frames provide a compact mounting unit for large cross-connect installations of data or voice services.

**The GigaBIX Distribution Frame** can accommodate up to (16) 12-connector GigaBIX Mounts, 8 on the equipment side and 8 on the distribution side. The GigaBIX Distribution Frame has a capacity of 1152 ports or 4800 pairs. It is backwards compatible with BIX Mounts (QMBIX12E) and can be used to continue a row of BIX Distribution Frames (QFBIX24E).

**The GigaBIX Frame End Kit** consists of 8 cable trays and 8 distribution rings plus appropriate mounting hardware. One kit is required to support GigaBIX Cross-Connect Wires on the sides of a single-frame installation or on the end frames of a multi-frame installation.

**The GigaBIX Overhead Kit** consists of two metal bars and four "J" bolts plus appropriate mounting hardware to support cable ladder (not included) running over a row of GigaBIX Distribution Frames.



AX102073 GigaBIX Distribution Frame

| DESCRIPTION                               | ORDERING NUMBER |
|---|-----------------|
| GigaBIX Frame, 1152 ports/4800 pairs, NEW | AX102073        |
| GigaBIX Frame End Kit, NEW                | AX102082        |
| GigaBIX Frame Overhead Kit, NEW           | AX102145        |

## BIX Distribution Connectors

### BIX Distribution Connector

The **BIX Distribution Connector** is a 25-pair connector. The connector's symmetrical construction allows termination of cables on one side and cross-connect jumper wires or BIX Patch Cords on the other. Each BIX connector is equipped with 50 double-ended Insulation Displacement Connection (IDC) clips for terminating plastic insulated solid copper conductors without stripping and pair splitters on each side of the connector to facilitate wire insertion.



A0393146 QCBI1A4 Connector

| DESCRIPTION                                | ORDERING NUMBER |
|--|-----------------|
| BIX Distribution Connector, 5-pair Marking | A0266828        |
| BIX Distribution Connector, 4-pair Marking | A0393146        |

## BIX Multiplying Connectors

### BIX Multiplying Connector

**BIX Multiplying Connectors** are used to generate multiple outputs from a single input. Construction of these connectors is identical to that of BIX Distribution Connectors, except for the IDC clips which are bridged. BIX Multiplying Connectors are typically used in voice applications.

The **QCBI2A Connector** is built using 24 sets of bridged clips (2 clips each). It is used to terminate various facilities where multiples of 2 are required.

The **QCBI5A Connector** is built using 10 sets of bridged clips (5 clips each). It is used for multiple jumper connections to the same equipment.

The **QCBI7A Connector** is built using 10 sets of bridged clips (four 2-clip and six 7-clip bridged arrangements). It is primarily intended for use with 1A type key telephone systems. Each connector can terminate up to three lines of key equipment providing service to as many as seven key telephone sets per line.



A0266827 QCBI5A Multiplying Connector

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| BIX Multiplying Connector, QCBI2A, 25-pair, 12x2-pair           | A0269923        |
| BIX Multiplying Connector, QCBI5A, 25-pair, 5x5-pair            | A0266827        |
| BIX Multiplying Connector, QCBI7A, 25-pair, 2x2-pair & 3x7-pair | A0269925        |

# Copper Media

BIX Cross-Connect System

## BIX Modular Jack Connectors



AX100798 BIX Modular Jack Connector

## BIX Modular Jack Connector

**BIX Modular Jack Connectors** provide a fast and flexible method to manage small-to-medium cross-connect installations. These connectors are built with a BIX connector pre-wired to standard modular jacks. They allow front-access termination and patching.

**The NXXCBMC6U Connector** is a 6-port, 8-position modular connector used for data applications. It exceeds all Category 5e channel requirements when used with PS5E Modular Cords in a Belden IBDN 1200 System.

**QCBIX36-type Connectors** are used mostly for voice applications. The **QCBIX36D** connector is a 6-port, 8-position modular connector. It is pre-wired to USOC 8-wire wiring scheme specifications. The **QCBIX36C** connector is an 8-port, 6-position modular connector. It is pre-wired to USOC 6-wire wiring scheme specifications. The **QCBIX36B** connector is a 12-port, 6-position modular connector. It is pre-wired to USOC 4-wire wiring scheme specifications.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| BIX Modular Jack Connector, NXXCBMC6U, 6-port, PS5E, T568A/B Coded | AX100798        |
| BIX Modular Jack Connector, QCBIX36D, 6-port, USOC, 8-pin          | A0341173        |
| BIX Modular Jack Connector, QCBIX36C, 8-port, USOC, 6-pin          | A0330864        |
| BIX Modular Jack Connector, QCBIX36B, 12-port, USOC, 4-pin         | A0330863        |

## BIX Mounts



A0340836 QMBIX12E BIX Mount, 300-pair

## BIX Mount

**BIX Mounts** are basic components used in building a cross-connect system. They can accept BIX Distribution, Multiplying or Modular Jack Connectors. The 300 and 250-pair mounts can be wall-mounted or installed on BIX Frames. These mounts feature an interlocking design allowing them to be stacked for larger cross-connect installations.

| DESCRIPTION                    | ORDERING NUMBER |
|--------------------------------|-----------------|
| BIX Mount, QMBIX12E (300-pair) | A0340836        |
| BIX Mount, QMBIX10A (250-pair) | A0270164        |

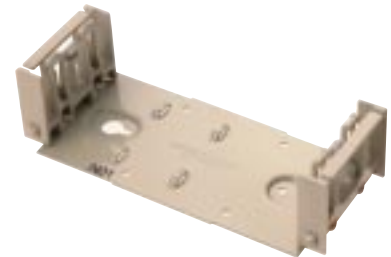
### BIX Mounts (continued)

#### BIX Mount, 50-pair

The **BIX 50-pair Mount** is typically used in small cross-connect installations. Also available is a 50-pair mount with cover that is sold as an assembly and is typically used in small cross-connect installations where security and/or dust protection is required.



**A0277853** QMBIX31A 50-pair Mount with Locking Cover



**A0284798** QMBIX10C BIX Mount, 50-pair

| DESCRIPTION                                  | ORDERING NUMBER |
|--|-----------------|
| <b>BIX Mount, 50-pair</b>                    | A0284798        |
| <b>BIX Mount with Locking Cover, 50-pair</b> | A0277853        |
| <b>BIX Mount with Snap-on Cover, 50-pair</b> | A0277854        |

### BIX Covers

#### BIX Cover

**BIX Covers** can be used to restrict access of cross-connect installations for better protection and security. Two sizes are available, to suit either the QMBIX12E 300-pair mount or the QMBIX10A 250-pair mount. The two locking covers used in wall or frame-mounted installations are molded with translucent plastic allowing visual inspection. Also available are two covers used exclusively in stand-alone QMBIX10A 250-pair mount installations; one locking, the other non-locking, both have four cable entries, one at each corner.



**A0285986** Locking Cover for 250-pair Mount



**A0276396** BIX Cover, QMBIX10A, Stand-alone installation, Locking

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| <b>BIX Locking Cover, for QMBIX12E (300-pair)</b>                 | A0340838        |
| <b>BIX Locking Cover, for QMBIX10A (250-pair)</b>                 | A0285986        |
| <b>BIX Cover, QMBIX10A, Stand-alone Installation, locking</b>     | A0276396        |
| <b>BIX Cover, QMBIX10A, Stand-alone Installation, non-locking</b> | A0276394        |

# Copper Media

BIX Cross-Connect System

## BIX Wire Management Accessories



A0270168 Distribution Ring

### Distribution Ring

**The Distribution Ring** is used in wall mount installations providing a cross-connect channel for jumper wires, patch cords and cables. The Distribution Ring interlocks with the QMBIX12E or QMBIX10A mounts, providing proper spacing and alignment.

| DESCRIPTION       | ORDERING NUMBER |
|-------------------|-----------------|
| Distribution Ring | A0270168        |

## BIX Distribution Frames



A0340837 BIX Frame

### BIX Distribution Frame

**BIX Distribution Frames** provide a compact mounting unit for large cross-connect installations. The QFBIX24E BIX Frame can accommodate up to 16 QMBIX12E 300-pair mounts, 8 on the vertical side and 8 on the horizontal side. The QFBIX24E BIX Frame has a capacity of 4800-pair. The QFBIX24A BIX Frame can accommodate up to 16 QMBIX10A 250-pair mounts, eight on the vertical side and eight on the horizontal side. The QFBIX24A BIX Frame has a capacity of 4000-pair.

**The BIX Frame End Kit** consists of eight cable trays and eight distribution rings plus appropriate mounting hardware. One kit is required to support cross-connect wires on the sides of the shelves in a single-frame installation or on the end frames of a multi-frame installation. **The Distribution Rings** are plastic rings used to manage cross-connect wires.

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| BIX Distribution Frame, QFBIX24E, 4800-pair (4 Shelves for 16 Mounts, 300-pair) | A0340837        |
| BIX Distribution Frame, QFBIX24A, 4000-pair (4 Shelves for 16 Mounts, 250-pair) | A0275511        |
| BIX Distribution Frame Accessories, End Kit (4 Shelves)                         | A0275512        |
| BIX Distribution Frame Accessories, Distribution Ring                           | P0596540        |

### Universal BIX-PAC

## Universal BIX-PAC

The **Universal BIX-PAC** provides a fast, factory-wired, pre-tested and easy-to-install method of terminating wiring for the voice environment. A typical application for this product is in the main distribution terminal system or the riser terminal system, where it can provide connectivity and cross-connection for up to 250 pairs. The units come equipped with up to 10 QCBIX1A Connectors and 10 fifty-pin type telco connectors for the termination of connectorized cables. Also available is a **BIX-PAC Enclosure**, which is a fire-retardant polystyrene structural foam box that can house one BIX-PAC. The enclosure has a snap-on cover and removable panels for cable entry on top, bottom and sides.



A0318897 BIX PAC Enclosure



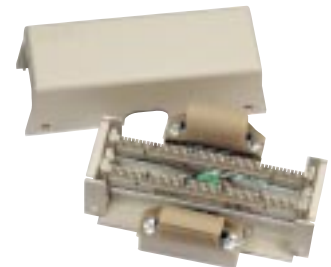
A0321776 Universal BIX-PAC Version 10-10

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| Universal BIX-PAC, 10-8, 8 RJ21X Female to 8 QCBIX1A Connectors    | A0321775        |
| Universal BIX-PAC, 10-10, 10 RJ21X Female to 10 QCBIX1A Connectors | A0321776        |
| BIX PAC Enclosure, Gray  | A0318897        |

### BIX Trunk Access Blocks

## BIX Trunk Access Block

**BIX Trunk Access Blocks** provide a fast, factory-wired, pre-tested and easy-to-install method for demarcation or testing points on customer premises. Typical applications are in the building entrance system or the main distribution terminal system, where the demarcation point between the network provider and the customer equipment usually can be found.



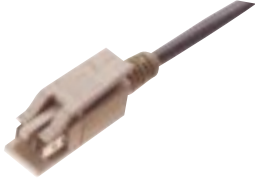
A0327326 BIX Trunk Access Block

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| BIX Trunk Access Block, 1 RJ21X Female to 1 QCBIX1A Connector | A0327325        |
| BIX Trunk Access Block, 2 RJ21X Female to 2 QCBIX1A Connector | A0327326        |

# Copper Media

## BIX Cross-Connect System

### BIX Patch Cords



A0410494 BIX Patch Cord, BIX-BIX, 2-pair



A0410469 BIX Patch Cord, BIX-BIX, 1-pair

### BIX Patch Cord

**BIX Patch Cords** allow for high-density connections, coupled with flexibility for cost-effective installation and administration. Installation and rearrangement of patch cords do not require any special tools or training. BIX Patch Cord plugs terminate directly into QCBI1A/1A4 connectors.

| DESCRIPTION                             | ORDERING NUMBER | ORDERING NUMBER |
|---|-----------------|-----------------|
|   | 2-PAIR          | 1-PAIR          |
| BIX Patch Cord, BIX-BIX, 1.2 m (4 ft.)  | A0410494        | A0410469        |
| BIX Patch Cord, BIX-BIX, 2.1 m (7 ft.)  | A0410495        | A0410471        |
| BIX Patch Cord, BIX-BIX, 3.0 m (10 ft.) | A0410496        | A0410473        |
| BIX Patch Cord, BIX-BIX, 4.6 m (15 ft.) | A0410497        | A0410475        |
| BIX Patch Cord, BIX-BIX, 7.6 m (25 ft.) |                 | A0410493        |

For 4-pair connections, please see the GigaBIX Patch Cord section.

### B-Plus Cross-Connect Wire



22208260 B-Plus Cross-Connect Wire

### B-Plus Cross-Connect Wire

**B-Plus Cross-Connect Wire** is intended primarily for use between incoming cables and station equipment in a Telecommunications Room or at a Main Cross-Connect.

**Z Cross-Connect Wire** is intended primarily for use in voice applications such as cross-connecting PBX or Key Telephone system equipment to backbone or horizontal distribution cables.

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| B-Plus Cross-Connect Wire, 24 AWG, 1-pair, Wh/Bl, 305 m (1000 ft.), K-Carton                  | 22208250        |
| B-Plus Cross-Connect Wire, 24 AWG, 1-pair, Wh/Bl, 305 m (1000 ft.), Spool (S77)               | 22208253        |
| B-Plus Cross-Connect Wire, 24 AWG, 2-pair, Wh/Bl/Wh/Or, 305 m (1000 ft.), K-Carton            | 22208260        |
| B-Plus Cross-Connect Wire, 24 AWG, 2-pair, Wh/Gr/Wh/Or, 305 m (1000 ft.), K-Carton            | 22208231        |
| B-Plus Cross-Connect Wire, 24 AWG, 3-pair, Wh/Bl/Wh/Or/Wh/Gr, 152 m (500 ft.), K-Carton       | 22208265        |
| B-Plus Cross-Connect Wire, 24 AWG, 3-pair, Wh/Bl/Wh/Or/Wh/Gr, 200 m, K-Carton                 | 22208235        |
| B-Plus Cross-Connect Wire, 24 AWG, 4-pair, Wh/Bl/Wh/Or/Wh/Gr/Wh/Br, 152 m (500 ft.), K-Carton | 22208270        |
| Z Cross-Connect Wire, 24 AWG, 1-pair, Bl/Ye, 300 m (984 ft.), Spool                           | 22208010        |
| Z Cross-Connect Wire, 24 AWG, 1-pair, Bl/Rd, 300 m (984 ft.), Spool                           | 22208067        |

### BIX Tool

## BIX Connecting Tool

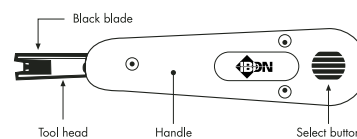
The **BIX Connecting Tool** is the only tool required to terminate cables, pigtails or jumper wires on all GigaBIX and BIX connection products. The BIX Connecting Tool is a spring-activated hand tool. A single forward movement will seat the wire into the BIX IDC clip and cut off the excess wire. The tool will terminate 22-26-AWG plastic insulated solid copper conductors. A separate leather BIX Tool Pouch to carry and protect the BIX Tool can be ordered.



A0270165 BIX Connecting Tool



C0054642 Tool Pouch



BIX Connecting Tool



Tool in CUT position



Tool in NO CUT position

#### DESCRIPTION

**BIX Connecting Tool**  
**Tool Pouch**

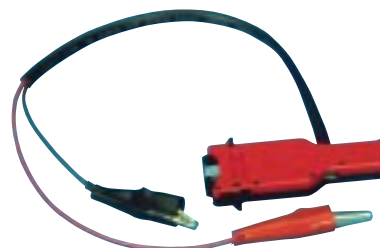
#### ORDERING NUMBER

A0270165  
C0054642

### BIX Testing

## BIX Test Probe

The **BIX Test Probe** is a single-pair probe that clips onto the termination clip of BIX Distribution or BIX Modular Jack Connectors to facilitate testing.



A0270166 BIX Test Probe

#### DESCRIPTION

**BIX Test Probe, 1-pair**

#### ORDERING NUMBER

A0270166

# Copper Media

BIX Cross-Connect System

## BIX Accessories



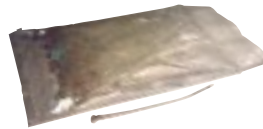
A0270172 Special Service Guard



A0325493 Bridging Clip



A0352331 19 in. Rack Bracket Kit



C0039222 BIX Cable Tie



P0660798 BIX Wire Retainer

## BIX Accessories

**The BIX Special Service Guard** is a single-pair red plastic clip used to identify a connection within a BIX distribution field that requires special attention prior to any maintenance work.

**The BIX Bridging Clip** is a single-pair clip used to bridge single-pair connections of two BIX connectors.

**The BIX Wire Retainer** is a plastic extrusion that fits over the terminated wires on a BIX Connector to prevent them from being pulled out of the IDC contacts. It can be used to secure a permanent connection on either side of a BIX Connector.

**This 19 in. Rack Bracket Kit** provides the hardware for BIX Mount installation into a 19 in. rack. This kit comes complete with two mounting bars, four screws for rack mounting, four screws for BIX Mount assemblies and an installation guide.

**BIX Cable Ties** are used for securing wire bundles to the BIX Connector.

| DESCRIPTION                            | ORDERING NUMBER |
|--|-----------------|
| BIX Special Service Guard, 1-pair, Red | A0270172        |
| BIX Bridging Clip, 1-pair, Gray        | A0325091        |
| BIX Bridging Clip, 1-pair, White       | A0325493        |
| BIX Wire Retainer                      | P0660798        |
| 19 in. Rack Bracket Kit                | A0352331        |
| BIX Cable Tie                          | C0039222        |

## BIX Designation Strip



A0270169 BIX Designation Strip

## BIX Designation Strip

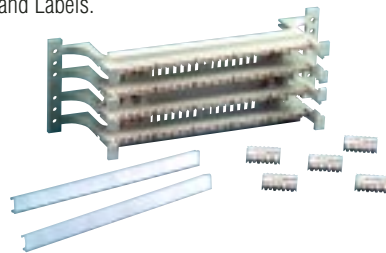
**The BIX Designation Strip** is designed to be used in conjunction with all BIX Mounts and BIX Connectors. It snaps in between two connectors and provides space for self adhesive BIX labels. The strip is made of white fire-retardant plastic, with ridges on the top and bottom for easy alignment and placement of designation labels. (See the LabelFlex section for designation labels.)

| DESCRIPTION                  | ORDERING NUMBER |
|------------------------------|-----------------|
| BIX Designation Strip, White | A0270169        |

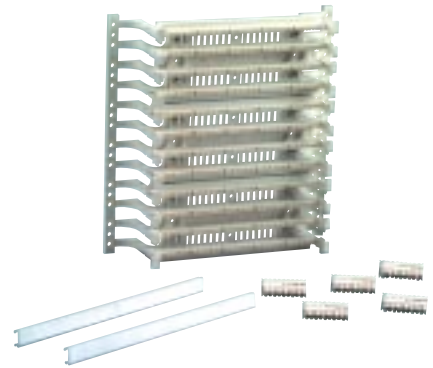
### 110 Cross-Connect Kits

#### 110 Cross-Connect Kit

**110 Cross-Connect Kits** contain all material required to terminate distribution or equipment cables into a 110 Cross-Connect System. Kits consist of one Wiring Block (100-pair or 300-pair) with legs, Connecting Blocks (4-pair or 5-pair), Designation Strips and Labels.



**AX100694** 110 Cross-Connect Kit, 100-pair



**AX100696** 110 Cross-Connect Kit, 300-pair

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| <b>110 Cross-Connect Kit, 100-pair, with 4-pair Connecting Blocks</b> | AX100693        |
| <b>110 Cross-Connect Kit, 100-pair, with 5-pair Connecting Blocks</b> | AX100694        |
| <b>110 Cross-Connect Kit, 300-pair, with 4-pair Connecting Blocks</b> | AX100695        |
| <b>110 Cross-Connect Kit, 300-pair, with 5-pair Connecting Blocks</b> | AX100696        |

The 110 Cross-Connect System is not available in all countries.

### 110 Wall Mount Frame Kits

#### Wall Mount Frame Kit

**110 Wall Mount Frame Kits** simplify planning, organizing and implementation of wall mounted cross-connect systems. They are available in 300-pair and 900-pair configurations making them ideal for small telecommunications room installations. Kits consist of wiring blocks and cable management troughs to be mounted on a cable channel. Kits include all components required to complete a 110 Cross-Connect installation with either 4-pair or 5-pair connecting blocks.



**AX100697** 110 Wall Mount Frame Kit, 300-pair

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| <b>110 Wall Mount Frame Kit, 300-pair, with 4-pair Connecting Blocks</b> | AX100697        |
| <b>110 Wall Mount Frame Kit, 300-pair, with 5-pair Connecting Blocks</b> | AX100698        |
| <b>110 Wall Mount Frame Kit, 900-pair, with 4-pair Connecting Blocks</b> | AX100699        |
| <b>110 Wall Mount Frame Kit, 900-pair, with 5-pair Connecting Blocks</b> | AX100700        |

The 110 Cross-Connect System is not available in all countries.

# Copper Media

## 110 Cross-Connect System

### 110 Connecting Blocks



**AX100707**

110 Connecting Block,  
4-pair



**AX100708**

110 Connecting Block,  
5-pair

### 110 Connecting Block

The **110 Connecting Blocks** are modular connectors equipped with double-sided Insulation Displacement Connection (IDC) clips that are used to terminate plastic insulated solid copper conductors in 110 Wiring Blocks. The color-coded connecting blocks are available in 4-pair and 5-pair configurations. These blocks are compatible with other existing 110 Cross-Connect Systems.

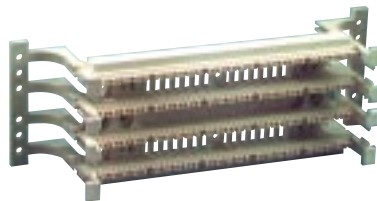
| DESCRIPTION                         | ORDERING NUMBER |
|-------------------------------------|-----------------|
| 110 Connecting Block, 110C4, 4-pair | AX100707        |
| 110 Connecting Block, 110C5, 5-pair | AX100708        |

The 110 Cross-Connect System is not available in all countries.

### 110 Wiring Blocks



**AX100692** Wiring Block, 300-pair



**AX100691** Wiring Block, 100-pair

### 110 Wiring Block

**110 Wiring Blocks** are rigid plastic indexing strip assemblies designed to hold and align wires prior to terminating 110 Connecting Blocks. 110 Wiring Blocks are available in 100-pair and 300-pair configurations with legs and 100-pair without legs. 110 Wiring Blocks are compatible with 22 to 26 AWG wires and accept 4-pair or 5-pair Connecting Blocks. They are specially designed to simplify data cabling installations. A deeper channel and open slots in the base allow cable to be brought close to the termination point. These blocks are compatible with other existing 110 Cross-Connect Systems.

| DESCRIPTION                              | ORDERING NUMBER |
|--|-----------------|
| 110 Wiring Block, 100-pair, without legs | AX100690        |
| 110 Wiring Block, 100-pair, with legs    | AX100691        |
| 110 Wiring Block, 300-pair, with legs    | AX100692        |

The 110 Cross-Connect System is not available in all countries.

### 110 Designation Strip

## 110 Designation Strip

The **110 Designation Strip** is designed to be used in conjunction with all 110 Wiring Blocks. It snaps in between two rows of 110 Connecting Blocks and provides space to insert a designation label. The strip is made of clear PVC.



**AX100721** 110 Designation Strip

| DESCRIPTION                  | ORDERING NUMBER |
|------------------------------|-----------------|
| <b>110 Designation Strip</b> | AX100721        |

The 110 Cross-Connect System is not available in all countries.

### 110 Patch Cords

## 110 Patch Cord

**110 Patch Cords** allow for high density connections in a 110 Cross-Connect System. 110 Patch Cord rearrangements do not require any special tools or training thus providing flexibility for cost-effective installation and administration. 110 Patch Cords are available in two different configurations. 110-110 patch cord configurations for easy cross-connection between equipment and distribution fields. 110-8MOD patch cord configurations are used to easily interconnect equipment utilizing 8-position modular jacks directly into 110C4/C5 connecting blocks in the distribution field. PS5E 110 Patch Cords offer Category 5e performance. These patch cords are compatible with other existing 110 Cross-Connect systems.



**AX300001** PS5E 110 Patch Cord, 110-110, 4-pair

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| <b>110 Patch Cord, PS5E 110-110, 4-pair, 1.2 m (4 ft.)</b>  | AX300001        |
| <b>110 Patch Cord, PS5E 110-110, 4-pair, 1.8 m (6 ft.)</b>  | AX300002        |
| <b>110 Patch Cord, PS5E 110-110, 4-pair, 2.4 m (8 ft.)</b>  | AX300025        |
| <b>110 Patch Cord, PS5E 110-110, 4-pair, 3.0 m (10 ft.)</b> | AX300026        |
| <b>110 Patch Cord, PS5E 110-110, 4-pair, 6.1 m (20 ft.)</b> | AX300027        |

# Copper Media

## 110 Cross-Connect System

### 110 Patch Cords (continued)



**AX300010** PS5E 110 Patch Cord, 110-8MOD, 4-pair

### 110 Patch Cord



**AX300013** 110 Patch Cord, 110-110, 2-pair

### 110 Patch Cord Connector

**110 Patch Cord Connectors** are available in 1, 2 and 4-pair configurations for field assembly of Category 5 patch cords. They can terminate plastic insulated stranded copper conductors 24 AWG.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568A, 1.2 m (4 ft.)  | AX300010        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568A, 1.8 m (6 ft.)  | AX300009        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568A, 2.4 m (8 ft.)  | AX300029        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568A, 3.0 m (10 ft.) | AX300030        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568A, 6.1 m (20 ft.) | AX300032        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568B, 1.2 m (4 ft.)  | AX300008        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568B, 1.8 m (6 ft.)  | AX300005        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568B, 2.4 m (8 ft.)  | AX300011        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568B, 3.0 m (10 ft.) | AX300034        |
| 110 Patch Cord, PS5E 110-8MOD, 4-pair, T568B, 6.1 m (20 ft.) | AX300017        |
| 110 Patch Cord, 110-110, 2-pair, 1.2 m (4 ft.)               | AX300013        |
| 110 Patch Cord, 110-110, 2-pair, 1.8 m (6 ft.)               | AX300014        |
| 110 Patch Cord, 110-110, 2-pair, 2.4 m (8 ft.)               | AX300015        |
| 110 Patch Cord, 110-110, 2-pair, 3.0 m (10 ft.)              | AX300037        |
| 110 Patch Cord, 110-110, 2-pair, 6.1 m (20 ft.)              | AX300038        |
| 110 Patch Cord, 110-110, 1-pair, 0.6 m (2 ft.)               | AX300039        |
| 110 Patch Cord, 110-110, 1-pair, 1.2 m (4 ft.)               | AX300006        |
| 110 Patch Cord, 110-110, 1-pair, 1.8 m (6 ft.)               | AX300007        |
| 110 Patch Cord, 110-110, 1-pair, 2.4 m (8 ft.)               | AX300012        |
| 110 Patch Cord, 110-110, 1-pair, 3.0 m (10 ft.)              | AX300021        |
| 110 Patch Cord, 110-110, 1-pair, 6.1 m (20 ft.)              | AX300040        |
| 110 Patch Cord Connector, 4-pair                             | AX100711        |
| 110 Patch Cord Connector, 2-pair                             | AX100710        |
| 110 Patch Cord Connector, 1-pair                             | AX100709        |

The 110 Cross-Connect System is not available in all countries. Other lengths are available, please contact Customer Service for further details.

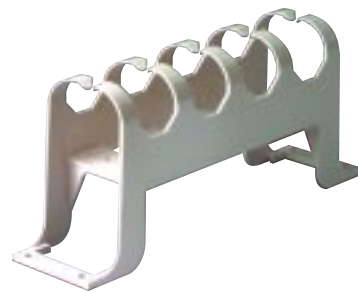
### 110 Management Accessories

### Cable Management Trough

**Cable Management Troughs** are utilized as channels positioned between wiring blocks for horizontal or vertical dressing of cross-connect wires and patch cords. They are available with and without mounting legs.



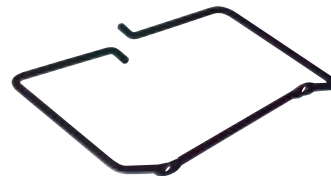
AX100705 Cable Management Trough



AX100706 Cable Management Trough with Legs

### Cable Management Ring

**Cable Management Rings** are used for management of cross-connect wires and cables in 110 Cross-Connect Systems. They can be mounted directly onto a plywood backboard between columns of wiring blocks. They are available in two different sizes.



AX100703 Cable Management Ring

### Wall Mount Cable Management Frame

**Wall Mount Cable Management Frames** are pre-assembled vertical cable managers that are used between 110 Wall Mount Frame Kits for vertical management of patch cords. They simplify planning and installation of 110 Cross-Connect Systems. They are available in two sizes to use with 300-pair and 900-pair Wall Mount Frame Kits.



AX100701 Wall Mount Cable Management Frame, 300-pair

| DESCRIPTION                                     | ORDERING NUMBER |
|---|-----------------|
| Cable Management Trough, without legs           | AX100705        |
| Cable Management Trough, with legs              | AX100706        |
| Cable Management Ring, Small 144.8 mm (5.7 in.) | AX100703        |
| Cable Management Ring, Large 216 mm (8.5 in.)   | AX100704        |
| Wall Mount Cable Management Frame, 300-pair     | AX100701        |
| Wall Mount Cable Management Frame, 900-pair     | AX100702        |

The 110 Cross-Connect System is not available in all countries.

## LabelFlex



AX101537-38 LabelFlex Labels

## LabelFlex Automated Labeling Solution

The **LabelFlex solution** is aimed at simplifying network management. Using the labeling system (software and label types), the installer can rapidly produce quality, application specific labels for most Belden IBDN products in a fraction of the time taken by traditional methods.

**The range of Belden IBDN products covered by the labeling system is:**

- GigaBIX & BIX Cross-Connect Systems
- BIX Modular Jack Connectors
- 110 Cross-Connect System
- GigaFlex PS6+ Patch Panels
- Flex Patch Panels
- Workstation Outlets
- MediaFlex Faceplates series
- Cable Applications, 4-pair and 25-pair
- PS5E HD Patch Panels
- ID Tubes

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| LABELS FOR MEDIAFLEX FACEPLATES                       |                 |
| <b>Almond/Silver, 30 labels/sheet, 10 sheets/pack</b> | AX101820        |
| <b>White, 30 labels/sheet, 10 sheets/pack</b>         | AX101821        |
| LABELS FOR BIX AND GIGABIX                            |                 |
| <b>Gray, 15 labels/sheet, 5 sheets/pack</b>           | AX101532        |
| <b>White, 15 labels/sheet, 5 sheets/pack</b>          | AX101533        |
| <b>Orange, 15 labels/sheet, 5 sheets/pack</b>         | AX101534        |
| <b>Red, 15 labels/sheet, 5 sheets/pack</b>            | AX101535        |
| <b>Yellow, 15 labels/sheet, 5 sheets/pack</b>         | AX101536        |
| <b>Green, 15 labels/sheet, 5 sheets/pack</b>          | AX101537        |
| <b>Blue, 15 labels/sheet, 5 sheets/pack</b>           | AX101538        |
| <b>Purple, 15 labels/sheet, 5 sheets/pack</b>         | AX101539        |
| <b>Brown, 15 labels/sheet, 5 sheets/pack</b>          | AX101540        |
| <b>Silver, 15 labels/sheet, 5 sheets/pack</b>         | AX101541        |
| LABELS FOR BIX MODULAR JACK CONNECTOR                 |                 |
| <b>Gray, 28 labels/sheet, 5 sheets/pack</b>           | AX101542        |
| <b>White, 28 labels/sheet, 5 sheets/pack</b>          | AX101543        |
| <b>Orange, 28 labels/sheet, 5 sheets/pack</b>         | AX101544        |
| <b>Red, 28 labels/sheet, 5 sheets/pack</b>            | AX101545        |
| <b>Yellow, 28 labels/sheet, 5 sheets/pack</b>         | AX101546        |
| <b>Green, 28 labels/sheet, 5 sheets/pack</b>          | AX101547        |
| <b>Blue, 28 labels/sheet, 5 sheets/pack</b>           | AX101548        |
| <b>Purple, 28 labels/sheet, 5 sheets/pack</b>         | AX101549        |
| <b>Brown, 28 labels/sheet, 5 sheets/pack</b>          | AX101550        |
| <b>Silver, 28 labels/sheet, 5 sheets/pack</b>         | AX101584        |

## LabelFlex Automated Labeling Solution

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| Labels for Flex Patch Panels, White, 28 labels/sheet, 5 sheets/pack           | AX101551        |
| Labels for Workstation Faceplates, White, 80 labels/sheet, 25 sheets/pack     | AX101552        |
| Labels for Workstation Single Port ID, White, 450 labels/sheet, 5 sheets/pack | AX101553        |
| Labels for HD Patch Panels, White, 18 labels/sheet, 5 sheets/pack             | AX101554        |
| Labels for GigaFlex PS6+ Patch Panels, White, 28 labels/sheet, 5 sheets/pack  | AX101626        |
| Labels for 4-pair cables, Gray, 48 labels/sheet, 25 sheets/pack               | AX101555        |
| Labels for 25-pair cables, White, 24 labels/sheet, 25 sheets/pack             | AX101556        |
| LABELS FOR 110 CROSS-CONNECT  |                 |
| Gray, 18 labels/sheet, 5 sheets/pack  | AX101557        |
| White, 18 labels/sheet, 5 sheets/pack   | AX101558        |
| Orange, 18 labels/sheet, 5 sheets/pack  | AX101559        |
| Red, 18 labels/sheet, 5 sheets/pack   | AX101560        |
| Yellow, 18 labels/sheet, 5 sheets/pack  | AX101561        |
| Green, 18 labels/sheet, 5 sheets/pack   | AX101562        |
| Blue, 18 labels/sheet, 5 sheets/pack  | AX101563        |
| Purple, 18 labels/sheet, 5 sheets/pack  | AX101564        |
| Brown, 18 labels/sheet, 5 sheets/pack   | AX101565        |
| LABELS FOR ID TUBES   |                 |
| 3.1 in. long, White, 32 labels/sheet, 5 sheets/pack                           | AX101566        |
| 4.4 in. long, White, 30 labels/sheet, 5 sheets/pack                           | AX101567        |
| 7.4 in. long, White, 19 labels/sheet, 5 sheets/pack                           | AX101568        |
| SOFTWARE  |                 |
| Automated Labeling Software, 1 CD/pack  | AX101569        |

### GigaFlex PS6+ Patch Panels Category 6

#### GigaFlex PS6+ Patch Panel



**AX101613** GigaFlex PS6+ Patch Panel, 2U, 48-port

The **GigaFlex PS6+ Patch Panel** is a fully loaded patch panel using black GigaFlex PS6+ Modules. The unmatched performance of the GigaFlex PS6+ Module exceeds all parameters specified in the Category 6 standard. All performance characteristics including NEXT, FEXT, Attenuation and Return Loss have been set to guarantee transmission performance up to 300 MHz and a data-rate of up to 4.8 Gb/s.

| DESCRIPTION                                   | ORDERING NUMBER |
|---|-----------------|
| GigaFlex PS6+ Patch Panel, 1U, 24-port, Gray  | AX101612        |
| GigaFlex PS6+ Patch Panel, 1U, 24-port, Black | AX101611        |
| GigaFlex PS6+ Patch Panel, 2U, 48-port, Gray  | AX101614        |
| GigaFlex PS6+ Patch Panel, 2U, 48-port, Black | AX101613        |

### PS5E HD Patch Panels Category 5E

#### PS5E HD Patch Panel



**AX100465** PS5E HD Patch Panel, 1U, 24-port

The **Universal PS5E HD Patch Panels Series** includes a variety of product styles, sizes and wiring configurations. PS5E HD Patch Panels are robust and installer-friendly products by design, combining punch down connectors with standard modular jacks. They are available in both BIX and 110 Insulation Displacement Connection (IDC) options. A color-coded icon labeling system can be used to tag each patch panel port and simplify network management (ordered separately). PS5E HD Patch Panels offer Category 5E performance.



**AX100473** PS5E HD Patch Panel, 2U, 48-port

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| PS5E HD-BIX Patch Panel, 1U, 24-port, Gray, T568A/B  | AX100464        |
| PS5E HD-BIX Patch Panel, 1U, 24-port, Black, T568A/B | AX100465        |
| PS5E HD-BIX Patch Panel, 2U, 48-port, Gray, T568A/B  | AX100472        |
| PS5E HD-BIX Patch Panel, 2U, 48-port, Black, T568A/B | AX100473        |
| PS5E HD-110 Patch Panel, 1U, 24-port, Black, T568B/A | AX100452        |
| PS5E HD-110 Patch Panel, 2U, 48-port, Black, T568B/A | AX100454        |

The PS5E HD-110 Patch Panel is not available in all countries.

Other configurations are available, please contact Customer Service for further details.

## PS5E BIX Patch Panels Category 5E

### PS5E BIX Patch Panel

The **PS5E BIX Patch Panel** is a medium density panel, 24-port in 2 rack space units, for easier installation and cable management than high density panels. The PS5E BIX Patch Panel is a robust and installer-friendly product by design, combining BIX punch down connectors with standard modular jacks. The patch panel features built-in wire management to secure cable bundles and to control and maintain patch cord bend radius. A color-coded icon labeling system can be used to tag each patch panel port and simplify network management (ordered separately). The PS5E BIX Patch Panel offers Category 5E performance.



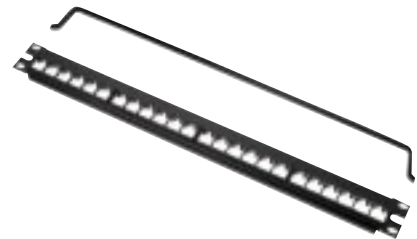
**AX100506** BIX Patch Panel, 2U, 24-port

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| <b>PS5E BIX Patch Panel, 2U, 24-port, Gray, T568A-ISDN</b>  | AX100505        |
| <b>PS5E BIX Patch Panel, 2U, 24-port, Black, T568A-ISDN</b> | AX100506        |

## Flex Patch Panels

### Flex Patch Panel

**Flex Patch Panels** provide a flexible and versatile termination solution for telecommunications room rack-mounted installations. The panels can be custom configured in the field to suit practically any particular configuration. Flex Patch Panels are compatible with GigaFlex and EZ-MDVO modules as well as MDVO-style Multimedia modules. Modules are ordered separately.



**AX101456** Flex Patch Panel

| DESCRIPTION                                 | ORDERING NUMBER |
|---|-----------------|
| <b>Flex Patch Panel, 1U, 24-port, Gray</b>  | AX101571        |
| <b>Flex Patch Panel, 1U, 24-port, Black</b> | AX101456        |
| <b>Flex Patch Panel, 2U, 48-port, Gray</b>  | AX101573        |
| <b>Flex Patch Panel, 2U, 48-port, Black</b> | AX101458        |

# Copper Media

## Patch Panels

### PS5E HD Patch Boxes Category 5E

#### PS5E HD Patch Box



AX100284 HD Patch Box, Closed

The **PS5E HD Patch Boxes** are available in BIX and 110 configurations and hold one 12-port universal connector module in a compact and robust metal enclosure. The patch box features a hinged cover and support brackets to secure cables and maintain patch cord bend radius. A color-coded icon labeling system can be used to tag each patch panel port and simplify network management (ordered separately) All performance parameters, including NEXT, Attenuation and Return Loss are designed to meet the Category 5E Cabling standard.

An **MDVO Patch Box** is also available that can be custom configured in the field using up to 12 GigaFlex, EZ-MDVO or MDVO Multimedia Modules. Modules are ordered separately.



AX100284 HD Patch Box, Open



AX100282 MDVO Patch Box

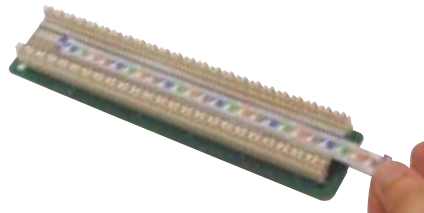
| DESCRIPTION                                    | ORDERING NUMBER |
|--|-----------------|
| PS5E HD-BIX Patch Box, 12-port, Gray, T568A/B  | AX100283        |
| PS5E HD-BIX Patch Box, 12-port, Black, T568A/B | AX100284        |
| PS5E HD-110 Patch Box, 12-port, Black, T568B/A | AX100491        |
| MDVO Patch Box, 12-port, Gray                  | AX100281        |
| MDVO Patch Box, 12-port, Black                 | AX100282        |

The PS5E HD-110 Patch Box is not available in all countries.

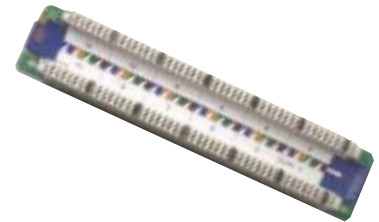
Connector Modules

## PS5E HD-BIX Universal Connector Module

The **PS5E HD Universal Connector Module** is a 12-port UTP Module with a BIX or 110 termination interface that is used as a replacement module in the PS5E HD Patch Panels and Patch Boxes.



**AX100461** HD-110 Universal Connector Module



**AX100458** HD-BIX Universal Connector Module

## PS5E BIX Connector Module

The **PS5E BIX Connector Module** is a 2-port UTP Module with BIX termination interface that is used as a replacement module in the PS5E BIX Patch Panel 24-port.



**AX100599** PS5E BIX Connector Module, Front

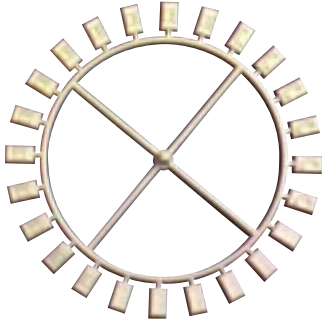


**AX100599** PS5E BIX Connector Module, Back

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| PS5E HD-BIX Universal Connector Module, Universal wiring 12-port, T568A/B | AX100458        |
| PS5E HD-110 Universal Connector Module, Universal Wiring 12-port, T568B/A | AX100461        |
| PS5E BIX Connector Module, 2-port, T568A-ISDN                             | AX100599        |

The PS5E HD-110 Universal Connector Module is not available in all countries.

### Identification Accessories



**AX100435** Color-Coded Icon Kit

### Color-Coded Icon Kit

**Color-Coded Icons** can be used to tag each outlet port as data or voice and simplify network management. The snap-on icons can be used with PS5E HD Patch Panels, PS5E HD Patch Boxes, PS5E BIX Patch Panels, MediaFlex GigaFlex Inserts, PS5E DVO Workstation Outlets. They cannot be used with any of the Interface or MDVO plates, adapters or boxes.



**AX101093** Clear ID Tubes

### Clear Plastic Identification Tubes

**The Clear Plastic ID Tubes** are new and improved plastic tubes designed to be used primarily in conjunction with the PS5E HD BIX and 110 Patch Panels and Patch Boxes. The tubes are made of clear fire-retardant plastic, with double-sided adhesive on one side. They are available in three different lengths for easy compatibility with 4, 6 or 12-port openings of the patch panels. They are sold in bags of 100 units only. The bags contain 100 ID tubes and 100 white labels.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| Color-Coded Icon Kit, Gray, 12 data, 6 voice, 6 blank icons          | AX100435        |
| Color-Coded Icon Kit, Almond, 12 data, 6 voice, 6 blank icons        | AX100436        |
| Color-Coded Icon Kit, White, 12 data, 6 voice, 6 blank icons         | AX100437        |
| Color-Coded Icon Kit, Black, 12 data, 6 voice, 6 blank icons         | AX100438        |
| Color-Coded Icon Kit, Orange, 12 data, 6 voice, 6 blank icons        | AX100439        |
| Color-Coded Icon Kit, Red, 12 data, 6 voice, 6 blank icons           | AX100440        |
| Color-Coded Icon Kit, Yellow, 12 data, 6 voice, 6 blank icons        | AX100441        |
| Color-Coded Icon Kit, Green, 12 data, 6 voice, 6 blank icons         | AX100442        |
| Color-Coded Icon Kit, Blue, 12 data, 6 voice, 6 blank icons          | AX100443        |
| Color-Coded Icon Kit, Purple, 12 data, 6 voice, 6 blank icons        | AX100444        |
| Color-Coded Icon Kit, Brown, 12 data, 6 voice, 6 blank icons         | AX100445        |
| Clear Plastic Identification Tubes, 188 mm (7.4 in.), HDBIX/110      | AX101093        |
| Clear Plastic Identification Tubes, 112 mm (4.4 in.), MDVO Patch Box | AX101094        |
| Clear Plastic Identification Tubes, 79 mm (3.1 in.), MDVO, 4-port    | AX101095        |

## GigaFlex PS6+ Module

The **GigaFlex PS6+ Module** is a punch down UTP connector based on a patented Encapsulated Lead Frame technology ensuring excellent long-term reliability as well as extremely stable transmission performance. The unmatched Beyond Cat6 performance exceeds all parameters specified in the Category 6 standard. All performance characteristics have been set to guarantee transmission performance up to 300 MHz and a data-rate of up to 4.8 Gb/s.

The GigaFlex PS6+ is the module of choice for terminating UTP cables into the MediaFlex and Interface Outlet Series. It can also be mixed and matched with a wide variety of MDVO adapters, boxes and patch panels to suit practically any installation configuration for workstation outlet, consolidation point and telecommunications room applications.

A keystone-style is also available for terminating UTP cables into keystone-style mounting hardware. It can be easily snapped into simple sheet metal cut-outs (panel mounting) for installation into consolidation point or multi-user custom-built devices.

Also available is the GigaFlex PS6+ Module, Clipsal-style which is fully compatible with Clipsal faceplates and mounting hardware.



**AX101071** GigaFlex PS6+ Module

| DESCRIPTION            | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER |
|------------------------|-----------------|-----------------|-----------------|
| GIGAFLEX PS6+ MODULE   | MDVO-STYLE      | KEYSTONE-STYLE  | CLIPSAL-STYLE   |
| <b>T568A/B, Gray</b>   | AX101063        | AX101318        | AX101340        |
| <b>T568A/B, Almond</b> | AX101064        | AX101319        | AX101341        |
| <b>T568A/B, White</b>  | AX101065        | AX101320        | AX101342        |
| <b>T568A/B, Black</b>  | AX101066        | AX101321        | AX101343        |
| <b>T568A/B, Orange</b> | AX101067        | AX101322        | AX101344        |
| <b>T568A/B, Red</b>    | AX101068        | AX101323        | AX101345        |
| <b>T568A/B, Yellow</b> | AX101069        | AX101324        | AX101346        |
| <b>T568A/B, Green</b>  | AX101070        | AX101325        | AX101347        |
| <b>T568A/B, Blue</b>   | AX101071        | AX101326        | AX101348        |
| <b>T568A/B, Purple</b> | AX101072        | AX101327        | AX101349        |
| <b>T568A/B, Brown</b>  | AX101073        | AX101328        | AX101350        |

# Copper Media

## Workstation Outlets

### GigaFlex PS5E Modules Category 5E



AX101051 GigaFlex PS5E Module

### GigaFlex PS5E Module

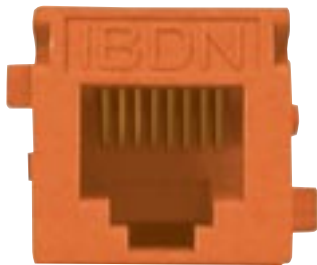
The **GigaFlex PS5E Module** is a punch down UTP connector based on a patented Encapsulated Lead Frame technology ensuring excellent long term reliability as well as extremely stable transmission performance. The PS5E-rated performance exceeds all requirements specified in the Category 5e standard. All performance parameters including NEXT, FEXT, Attenuation and Return Loss have been set to guarantee transmission performance up to 160 MHz and a data-rate of up to 1.2 Gb/s.

The GigaFlex PS5E is the module of choice for terminating UTP cables into the MediaFlex and Interface Outlet Series. It can also be mixed and matched with a wide variety of MDVO adapters, boxes and patch panels to suit practically any installation configuration for workstation outlet, consolidation point and telecommunications room applications.

A keystone-style is also available for terminating UTP cables into keystone-style mounting hardware. It can be easily snapped into simple sheet metal cut-outs (panel mounting) for installation into consolidation point or multi-user custom-built devices.

| DESCRIPTION          | ORDERING NUMBER | ORDERING NUMBER |
|----------------------|-----------------|-----------------|
| GIGAFLEX PS5E MODULE | MDVO-STYLE      | KEYSTONE-STYLE  |
| T568A/B, Gray        | AX101044        | AX101307        |
| T568A/B, Almond      | AX101045        | AX101308        |
| T568A/B, White       | AX101046        | AX101309        |
| T568A/B, Black       | AX101047        | AX101310        |
| T568A/B, Orange      | AX101048        | AX101311        |
| T568A/B, Red         | AX101049        | AX101312        |
| T568A/B, Yellow      | AX101050        | AX101313        |
| T568A/B, Green       | AX101051        | AX101314        |
| T568A/B, Blue        | AX101052        | AX101315        |
| T568A/B, Purple      | AX101053        | AX101316        |
| T568A/B, Brown       | AX101054        | AX101317        |

### Flex Modules



AX101037 Flex Module, USOC-coded

### Flex Module, USOC-coded

The **Flex Module USOC-coded** is a punch down UTP connector that has a narrower plug entrance and a USOC 6-pin color code in the back. These modules are used for voice applications and are designed to prevent connecting the computer into the analog phone jack, which may cause damages to the electronics.

The Flex Module is the module of choice for voice applications in the MediaFlex and Interface Outlet Series. It can also be mixed and matched with a wide variety of MDVO adapters, boxes and patch panels to suit practically any installation configuration for workstation outlet, consolidation point and telecommunications rooms applications.

Flex Modules (continued)

## Flex Module, USOC-coded

| DESCRIPTION                         | ORDERING NUMBER |
|-------------------------------------|-----------------|
| FLEX MODULE, USOC-CODED, 6-POSITION | MDVO-STYLE      |
| <b>Gray</b>                         | AX101033        |
| <b>Almond</b>                       | AX101034        |
| <b>White</b>                        | AX101035        |
| <b>Black</b>                        | AX101036        |
| <b>Orange</b>                       | AX101037        |
| <b>Red</b>                          | AX101038        |
| <b>Yellow</b>                       | AX101039        |
| <b>Green</b>                        | AX101040        |
| <b>Blue</b>                         | AX101041        |
| <b>Purple</b>                       | AX101042        |
| <b>Brown</b>                        | AX101043        |

EZ-MDVO PS5E Modules Category 5E

## EZ-MDVO PS5E Module

The **EZ-MDVO Module** is built with a patented lead frame design and encapsulated insulation displacement contacts, ensuring reliable connections and performance well above Category 5E standards. The EZ-MDVO module termination cap is what is so unique about this product. It allows for a simple and fast “press-fit” installation while ensuring consistent wire termination every time it is snap-locked. The module termination cap is color-coded to facilitate wire arrangement and speed up installation time. The termination cap is printed with the T568A/B color-codes. The EZ-MDVO Modules can be mixed and matched with a wide variety of MediaFlex, Interface and MDVO-style faceplates, adapters and boxes to suit practically any installation configuration for workstation outlet installations.

A keystone-style is also available for terminating UTP cables into keystone-style mounting hardware. It can be easily snapped into simple sheet metal cut-outs (panel mounting) for installation into consolidation point or multi-user custom-built devices. Clipsal-style EZ-MDVO Modules are available for installations using commercially available Clipsal faceplates and HPM-style EZ-MDVO Modules are available for installations using commercially available HPM faceplates.



AX100654 EZ-MDVO PS5E Module

| DESCRIPTION                  | ORDERING NUMBER | ORDERING NUMBER |
|------------------------------|-----------------|-----------------|
| EZ-MDVO PS5E MODULE          | MDVO-STYLE      | KEYSTONE-STYLE  |
| <b>T568A/B coded, Gray</b>   | AX100645        | AX100577        |
| <b>T568A/B coded, Almond</b> | AX100646        | AX100578        |
| <b>T568A/B coded, White</b>  | AX100647        | AX100579        |
| <b>T568A/B coded, Black</b>  | AX100648        | AX100580        |
| <b>T568A/B coded, Orange</b> | AX100649        | AX100581        |
| <b>T568A/B coded, Red</b>    | AX100650        | AX100582        |
| <b>T568A/B coded, Yellow</b> | AX100651        | AX100583        |
| <b>T568A/B coded, Green</b>  | AX100652        | AX100584        |
| <b>T568A/B coded, Blue</b>   | AX100653        | AX100585        |
| <b>T568A/B coded, Purple</b> | AX100654        | AX100586        |
| <b>T568A/B coded, Brown</b>  | AX100655        | AX100587        |

# Copper Media

## Workstation Outlets

### EZ-MDVO PS5E Modules Category 5E (continued)

#### EZ-MDVO PS5E Module

| DESCRIPTION                  | ORDERING NUMBER | ORDERING NUMBER |
|------------------------------|-----------------|-----------------|
| EZ-MDVO PS5E MODULE          | CLIPSAL-STYLE   | HPM-STYLE       |
| <b>T568A/B coded, Gray</b>   | AX100678        | AX100667        |
| <b>T568A/B coded, Almond</b> | AX100679        | AX100668        |
| <b>T568A/B coded, White</b>  | AX100680        | AX100669        |
| <b>T568A/B coded, Black</b>  | AX100681        | AX100670        |
| <b>T568A/B coded, Orange</b> | AX100682        | AX100671        |
| <b>T568A/B coded, Red</b>    | AX100683        | AX100672        |
| <b>T568A/B coded, Yellow</b> | AX100684        | AX100673        |
| <b>T568A/B coded, Green</b>  | AX100685        | AX100674        |
| <b>T568A/B coded, Blue</b>   | AX100686        | AX100675        |
| <b>T568A/B coded, Purple</b> | AX100687        | AX100676        |
| <b>T568A/B coded, Brown</b>  | AX100688        | AX100677        |

### EZ-MDVO Modules, USOC-coded



#### EZ-MDVO Module, USOC-coded

The **EZ-MDVO Module USOC-coded** has a narrower plug entrance and is designed to be used for voice applications. These modules prevent connecting the computer into the analog phone jack, which may cause damages to the electronics. Also available is the EZ-MDVO Module, USOC-coded keystone style.

**AX100177** EZ-MDVO Module, USOC-coded

| DESCRIPTION                            | ORDERING NUMBER | ORDERING NUMBER |
|--|-----------------|-----------------|
| EZ-MDVO MODULE, USOC-CODED, 6 POSITION | MDVO-STYLE      | KEystone-STYLE  |
| <b>Gray</b>                            | AX100171        | AX100588        |
| <b>Almond</b>                          | AX100172        | AX100589        |
| <b>White</b>                           | AX100173        | AX100590        |
| <b>Black</b>                           | AX100174        | AX100591        |
| <b>Orange</b>                          | AX100175        | AX100592        |
| <b>Red</b>                             | AX100176        | AX100593        |
| <b>Yellow</b>                          | AX100177        | AX100594        |
| <b>Green</b>                           | AX100178        | AX100595        |
| <b>Blue</b>                            | AX100179        | AX100596        |
| <b>Purple</b>                          | AX100180        | AX100597        |
| <b>Brown</b>                           | AX100181        | AX100598        |

## MediaFlex Faceplate Kits

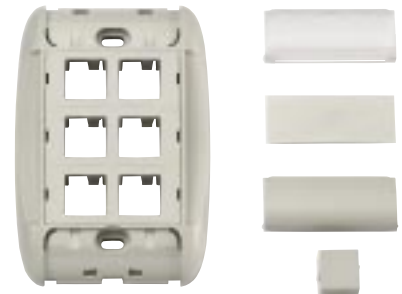
### MediaFlex Faceplate Kit

MediaFlex Plates and Inserts snap together to create a full line of modular workstation outlets. This product line, called the **MediaFlex Modular Outlet Series**, has been designed with the help of industrial designers as well as other professionals in the industry in order to combine flexibility, ease of use and high-tech aesthetics for work area installations.

Even though the MediaFlex series is a modular outlet system, ease and flexibility in ordering and inventory management are also considered with the offering of pre-configured faceplate kits (includes plate, flush MDVO-style inserts, filler inserts, MDVO blank, labeling window covers, labeling paper and all necessary mounting screws).



AX101779 MediaFlex Faceplate Kit



AX101786 MediaFlex Faceplate Kit



AX101785 MediaFlex Faceplate Kit

| DESCRIPTION                | ORDERING NUMBER |
|----------------------------|-----------------|
| MEDIAFLEX FACEPLATE KIT    |                 |
| 2-port, Flush, Gray        | AX101778        |
| 2-port, Flush, Almond      | AX101779        |
| 2-port, Flush, Elec. White | AX101780        |
| 2-port, Flush, Black       | AX101781        |
| 4-port, Flush, Gray        | AX101782        |
| 4-port, Flush, Almond      | AX101783        |
| 4-port, Flush, Elec. White | AX101784        |
| 4-port, Flush, Black       | AX101785        |
| 6-port, Flush, Gray        | AX101786        |
| 6-port, Flush, Almond      | AX101787        |
| 6-port, Flush, Elec. White | AX101788        |
| 6-port, Flush, Black       | AX101789        |

# Copper Media

## Workstation Outlets

### MediaFlex Plates



**AX101748** MediaFlex Plate, Single Gang



**AX101869** MediaFlex Plate, Double Gang

### MediaFlex Plate

**MediaFlex Plates** are one part of the comprehensive line of plates and inserts that snap together to create a full line of modular workstation outlets.

MediaFlex Plates can be mounted over standard NEMA type outlet boxes and rings to provide support for a variety of MediaFlex Adapters and Inserts. The fully modular construction combined with the front access design provides extensive configuration flexibility for current and future network needs. MediaFlex Plates are available in Single gang and Double gang configurations.

The Double gang faceplate comes with a stand-off ring included in the package. This ring allows for easy mounting with virtually any industry electrical box or mud/adaptor rings, therefore providing added installation flexibility.

Each plate has the capacity of up to 6 ports per Single gang and 12 ports per Double gang.

| DESCRIPTION        | ORDERING NUMBER | ORDERING NUMBER |
|--------------------|-----------------|-----------------|
| MEDIAFLEX PLATE    | SINGLE GANG     | DOUBLE GANG     |
| <b>Gray</b>        | AX101745        | AX101869        |
| <b>Almond</b>      | AX101746        | AX101870        |
| <b>Elec. White</b> | AX101747        | AX101871        |
| <b>Black</b>       | AX101748        | AX101872        |

### MediaFlex Adapter Boxes



**AX101874** MediaFlex Adapter Box, Double Gang

### MediaFlex Surface Adapter Box

**MediaFlex Surface Adapter Boxes** are one part of the comprehensive line of plates and inserts that snap together to create a full line of modular workstation outlets.

MediaFlex Surface Adapter Boxes can be mounted over standard NEMA type outlet boxes and rings to provide support for the MediaFlex plates. The MediaFlex Surface Adapter Boxes are available as a Double gang configuration. The double gang box allows more room for cable management and bend radius control.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| <b>MediaFlex Adapter Box, Double-Gang, Gray</b>        | AX101873        |
| <b>MediaFlex Adapter Box, Double-Gang, Almond</b>      | AX101874        |
| <b>MediaFlex Adapter Box, Double-Gang, Elec. White</b> | AX101875        |
| <b>MediaFlex Adapter Box, Double-Gang, Black</b>       | AX101876        |

### MediaFlex Inserts

## MediaFlex Insert

**MediaFlex Inserts** provide optimum flexibility in configuring multimedia workstation outlets that respond to any present or future network needs. MediaFlex MDVO-style Inserts along with MediaFlex Filler Inserts and MediaFlex GigaFlex Inserts allow for the easy configuration of outlets. All inserts are front loaded and easily snapped in and out of the MediaFlex Plates for simple installation and maintenance.

**MediaFlex MDVO-style Inserts** are available in a 2-port configuration in both Flush and Angled versions. They are compatible with all GigaFlex and MDVO Modules (EZ-MDVO and Multimedia). The inserts are two units high for the flush version and three units high for the angled version. Therefore three flush inserts or two angled inserts are required to fully populate a Single gang MediaFlex Plate.

**MediaFlex GigaFlex Inserts** are available in a 2-port configuration in both PS5E (Category 5E) and PS6+ (Beyond Category 6) performance levels. The inserts are two units high, therefore three inserts can be used to fully populate a Single gang MediaFlex Plate; making up a 6-port outlet.

**MediaFlex Filler Inserts** are used to fill the unused spaces in low density workstation outlets. They are available in one unit and two unit sizes.



**AX101756** MediaFlex MDVO (style) Insert, 2-port, Angled



**AX101752** MediaFlex MDVO (style) Insert, 2-port, Flush



**AX101768** PS6+ MediaFlex GigaFlex Insert, 2-port



**AX101760** MediaFlex Filler Insert, 1-unit



**AX101764** MediaFlex Filler Insert, 2-unit

| DESCRIPTION                          | ORDERING NUMBER | ORDERING NUMBER |
|--------------------------------------|-----------------|-----------------|
| MEDIAFLEX MDVO (STYLE) INSERT        | FLUSH           | ANGLED          |
| 2-port, Gray, bag of 10 units        | AX101749        | AX101753        |
| 2-port, Almond, bag of 10 units      | AX101750        | AX101754        |
| 2-port, Elec. White, bag of 10 units | AX101751        | AX101755        |
| 2-port, Black, bag of 10 units       | AX101752        | AX101756        |
| MEDIAFLEX GIGAFLEX INSERT            | PS6+            | PS5E            |
| 2-port, Gray                         | AX101765        | AX101769        |
| 2-port, Almond                       | AX101766        | AX101770        |
| 2-port, Elec. White                  | AX101767        | AX101771        |
| 2-port, Black                        | AX101768        | AX101772        |
| MEDIAFLEX FILLER INSERT              | 1-UNIT          | 2-UNIT          |
| Gray, bag of 10 units                | AX101757        | AX101761        |
| Almond, bag of 10 units              | AX101758        | AX101762        |
| Elec. White, bag of 10 units         | AX101759        | AX101763        |
| Black, bag of 10 units               | AX101760        | AX101764        |

# Copper Media

## Workstation Outlets

### MediaFlex Inserts (continued)



**AX101878** MediaFlex RCA Insert,  
3-port, Angled



**AX101882** MediaFlex SVHS Insert,  
1-port, Angled

## MediaFlex Multimedia Insert

**MediaFlex Multimedia Inserts** provide optimum flexibility in configuring multimedia workstation outlets that respond to any present or future network needs. MediaFlex Multimedia Inserts along with other MediaFlex Inserts allow for easy configuration of outlets. All inserts are front loaded and easily snapped in and out of the MediaFlex Plates for easy installation and maintenance.

MediaFlex Multimedia inserts include the following products:

- 3-Port RCA insert with IDC termination in the rear
- SVHS insert with IDC termination in the rear
- SVGA (DB15) insert with IDC termination in the rear
- Duplex SC inserts in Multimode and Singlemode

MediaFlex Multimedia Inserts are available in Angled versions only in order to allow for proper management of cable bend radius. The inserts are three units high, therefore two inserts are required to fully populate a Single gang faceplate and four inserts will fully populate a Double gang faceplate.



**AX101886** MediaFlex SVGA Insert,  
1-port, Angled



**AX101937** MediaFlex Duplex SC Insert,  
Angled

| DESCRIPTION                  | ORDERING NUMBER |
|------------------------------|-----------------|
| 3-port RCA, Gray             | AX101877        |
| 3-port RCA, Almond           | AX101878        |
| 3-port RCA, White            | AX101879        |
| 3-port RCA, Black            | AX101880        |
| 1-port SVHS, Gray            | AX101881        |
| 1-port SVHS, Almond          | AX101882        |
| 1-port SVHS, White           | AX101883        |
| 1-port SVHS, Black           | AX101884        |
| 1-port SVGA, Gray            | AX101885        |
| 1-port SVGA, Almond          | AX101886        |
| 1-port SVGA, White           | AX101887        |
| 1-port SVGA, Black           | AX101888        |
| Duplex SC Singlemode, Gray   | AX101935        |
| Duplex SC Singlemode, Almond | AX101936        |
| Duplex SC Singlemode, White  | AX101937        |
| Duplex SC Singlemode, Black  | AX101938        |
| Duplex SC Multimode, Gray    | AX101939        |
| Duplex SC Multimode, Almond  | AX101940        |
| Duplex SC Multimode, White   | AX101941        |
| Duplex SC Multimode, Black   | AX101942        |

### MediaFlex Accessories

## Labeling Window Cover/Dust Cover

MediaFlex Accessories include **Labeling Window Covers** used with the MediaFlex faceplates and **Dust Covers** used with the MediaFlex GigaFlex Inserts. Dust Covers can also be used with standard GigaFlex and EZ-MDVO UTP modules.



**AX101777** Labeling Window Cover



**AX101790** Dust Cover

| DESCRIPTION                                | ORDERING NUMBER |
|--|-----------------|
| Window Cover, Clear, bag of 25 units       | AX101773        |
| Window Cover, Gray, bag of 25 units        | AX101774        |
| Window Cover, Almond, bag of 25 units      | AX101775        |
| Window Cover, Elec. White, bag of 25 units | AX101776        |
| Window Cover, Black, bag of 25 units       | AX101777        |
| Dust Cover, Clear, bag of 50 units         | AX101790        |

### Interface Plates

## Interface Plate, Flush

**Interface Plates** combine flexibility and ease of use in work area installations. They are designed to accept the EZ-MDVO and GigaFlex UTP modules as well as all the MDVO multimedia modules. The Interface Plates are available in Single gang and can accept up to 6 modules. They also have labeling capabilities using built-in labeling windows. The faceplates can be attached to standard electrical boxes or wall-mounting hardware for flush-mount installations. The faceplates can also fit over the Interface Adapter Boxes for surface mount installations.



**AX101431** Interface Plate, 2-port, shown here with modules

| DESCRIPTION                            | ORDERING NUMBER |
|--|-----------------|
| Interface Plate, Flush, 2-port, Gray   | AX101431        |
| Interface Plate, Flush, 2-port, Almond | AX101432        |
| Interface Plate, Flush, 2-port, White  | AX101433        |
| Interface Plate, Flush, 2-port, Black  | AX101434        |

### Interface Plates (continued)

#### Interface Plate, Flush



**AX101438** Interface Plate, 4-port, shown here with modules



**AX101441** Interface Plate, 6-port, shown here with modules

| DESCRIPTION                            | ORDERING NUMBER |
|--|-----------------|
| Interface Plate, Flush, 4-port, Gray   | AX101435        |
| Interface Plate, Flush, 4-port, Almond | AX101436        |
| Interface Plate, Flush, 4-port, White  | AX101437        |
| Interface Plate, Flush, 4-port, Black  | AX101438        |
| Interface Plate, Flush, 6-port, Gray   | AX101439        |
| Interface Plate, Flush, 6-port, Almond | AX101440        |
| Interface Plate, Flush, 6-port, White  | AX101441        |
| Interface Plate, Flush, 6-port, Black  | AX101442        |

### MDVO Faceplates



**A0405257** MDVO Faceplate, 1-port

#### MDVO Faceplate, Flush

**MDVO Faceplates, Flush** combine ease of use and aesthetics in work area installations. The Single gang faceplates are available in 1-port and 8-port configurations, Double gang faceplates are configured for 12-ports. The Single gang faceplates can fit over the Interface Surface Adapter Boxes for surface mount installations.

MDVO faceplates are suitable for use with EZ-MDVO and MDVO Multimedia Modules.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| MDVO Faceplate, Flush, 1-port, Single Gang, Gray   | A0405255        |
| MDVO Faceplate, Flush, 1-port, Single Gang, Almond | A0405256        |
| MDVO Faceplate, Flush, 1-port, Single Gang, White  | A0405257        |
| MDVO Faceplate, Flush, 1-port, Single Gang, Black  | A0405258        |

### MDVO Faceplates (continued)



**A0620807** MDVO Faceplate, 12-port

### MDVO Faceplate, Flush



**A0405294** MDVO Faceplate, 8-port

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| MDVO Faceplate, Flush, 8-port, Single Gang, Gray    | A0405294        |
| MDVO Faceplate, Flush, 8-port, Single Gang, Almond  | A0405295        |
| MDVO Faceplate, Flush, 8-port, Single Gang, White   | A0405296        |
| MDVO Faceplate, Flush, 8-port, Single Gang, Black   | A0405298        |
| MDVO Faceplate, Flush, 12-port, Double Gang, Gray   | A0620806        |
| MDVO Faceplate, Flush, 12-port, Double Gang, Almond | A0620807        |
| MDVO Faceplate, Flush, 12-port, Double Gang, White  | A0620808        |
| MDVO Faceplate, Flush, 12-port, Double Gang, Black  | A0620809        |

### MDVO Angled Entry Faceplates

### MDVO Angled Entry Faceplate

The **MDVO Angled Entry Faceplate** offers better patch cord protection than traditional faceplates and optimizes patch cord bend radius control. The MDVO Angled Entry Faceplate can accept up to four EZ-MDVO or MDVO Multimedia Modules. The faceplate can be attached to standard electrical boxes or wall-mounting hardware for flush-mount installations. The faceplate can also fit over the Interface Surface Adapter Box for surface mount installations.



**A0645267** MDVO Angled Entry Faceplate, shown here with modules

| DESCRIPTION                                 | ORDERING NUMBER |
|---|-----------------|
| MDVO Angled Entry Faceplate, 4-port, Gray   | A0645267        |
| MDVO Angled Entry Faceplate, 4-port, Almond | A0645268        |
| MDVO Angled Entry Faceplate, 4-port, White  | A0645269        |
| MDVO Angled Entry Faceplate, 4-port, Black  | A0645270        |

### Interface Surface Adapter Boxes



**AX101474** Interface/MDVO Surface Adapter Box

### Interface/MDVO Surface Adapter Box

The **Interface/MDVO Surface Adapter Box** allows surface mounting of Interface Plates as well as MDVO Flush and Angled entry faceplates. The box can be mounted on any flat surface or can be attached to standard electrical boxes or wall-mounting hardware for additional storage space.

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| Interface/MDVO Surface Adapter Box, Single Gang, Gray   | AX101474        |
| Interface/MDVO Surface Adapter Box, Single Gang, Almond | AX101475        |
| Interface/MDVO Surface Adapter Box, Single Gang, White  | AX101476        |
| Interface/MDVO Surface Adapter Box, Single Gang, Black  | AX101477        |

### MDVO Adapters



**A0645271** MDVO Side Entry Box, shown here with modules

### MDVO Adapters

All MDVO Adapters are compatible with GigaFlex, EZ-MDVO and MDVO Multimedia Modules.

The **MDVO Side Entry Box** can be easily mounted directly on the wall, as well as on modular furniture panels, baseboards and utility poles. The compact size of the box allows secure installation in confined areas such as behind a desk or underneath a workstation.

| DESCRIPTION                         | ORDERING NUMBER |
|-------------------------------------|-----------------|
| MDVO Side Entry Box, 2-port, Gray   | A0645271        |
| MDVO Side Entry Box, 2-port, Almond | A0645272        |
| MDVO Side Entry Box, 2-port, White  | A0645273        |
| MDVO Side Entry Box, 2-port, Black  | A0645274        |

### MDVO Adapters (continued)

## MDVO Adapters

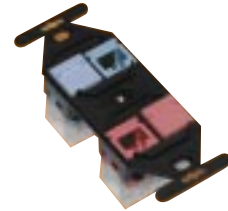
The **MDVO 106 Adapters** are designed for installations using standard NEMA electrical-style faceplates also referred to as 106-type or duplex wall plates.

The **MDVO Deco Adapter** is designed for installations using Decora style wall plates.

**MDVO Modular Furniture Adapters** are the ideal outlet adapters for open office furniture applications. They can be snapped into any standard opening, in modular furniture settings.



**AX100925** MDVO Modular Furniture Adapter, 4-port, shown here with modules



**AX100311** MDVO 106 Adapter, 4-port, shown here with modules



**A0409654** MDVO Deco Adapter, shown here with modules

| DESCRIPTION                                    | ORDERING NUMBER |
|--|-----------------|
| MDVO 106 Adapter, 2-port, Gray                 | AX100304        |
| MDVO 106 Adapter, 2-port, Almond               | AX100305        |
| MDVO 106 Adapter, 2-port, White                | AX100306        |
| MDVO 106 Adapter, 2-port, Black                | AX100307        |
| MDVO 106 Adapter, 4-port, Gray                 | AX100308        |
| MDVO 106 Adapter, 4-port, Almond               | AX100309        |
| MDVO 106 Adapter, 4-port, White                | AX100310        |
| MDVO 106 Adapter, 4-port, Black                | AX100311        |
| MDVO Deco Adapter, 3-port, Gray                | A0409651        |
| MDVO Deco Adapter, 3-port, Almond              | A0409652        |
| MDVO Deco Adapter, 3-port, White               | A0409653        |
| MDVO Deco Adapter, 3-port, Black               | A0409654        |
| MDVO Modular Furniture Adapter, 3-port, Gray   | A0407071        |
| MDVO Modular Furniture Adapter, 3-port, Almond | A0407072        |
| MDVO Modular Furniture Adapter, 3-port, White  | A0407073        |
| MDVO Modular Furniture Adapter, 3-port, Black  | A0407074        |
| MDVO Modular Furniture Adapter, 4-port, Gray   | AX100925        |
| MDVO Modular Furniture Adapter, 4-port, Almond | AX100926        |
| MDVO Modular Furniture Adapter, 4-port, White  | AX100927        |
| MDVO Modular Furniture Adapter, 4-port, Black  | AX100928        |

# Copper Media

## Workstation Outlets

### European Style Faceplates & Inserts

#### European "6C" Style Faceplate



AX101372-73 European "6C" Style Faceplates

The European "6C" Style faceplates and Inserts are designed to accept the GigaFlex and EZ-MDVO UTP Modules.

They include a shutter to protect the module against dust and other contaminants.



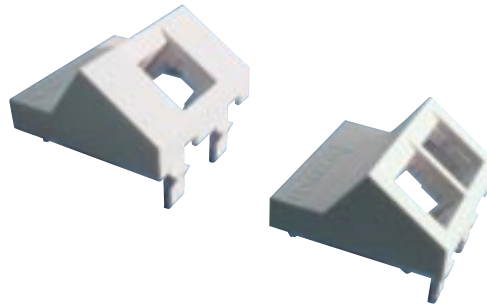
AX101377-75-76 European "6C" Inserts

#### French Style Faceplate



AX101413-14 French Style Faceplates

The French Style Faceplates are designed to accept the EZ-MDVO and GigaFlex UTP modules as well as all the MDVO multimedia modules. The faceplates can be attached to standard 45 mm x 45 mm boxes or mounting hardware for flush-mount installations.



AX101415-16 French Style Faceplates

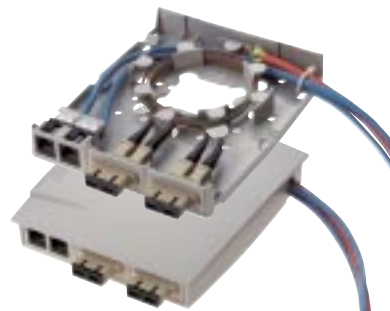
| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| European "6C" Style Faceplate, Single Gang, Single Aperture, White | AX101372        |
| European "6C" Style Faceplate, Single Gang, Dual Aperture, White   | AX101373        |
| European "6C" Style Faceplate, Double Gang, Quad Aperture, White   | AX101374        |
| European "6C" Shuttered Module Holder, 1-port, Flush, White        | AX101375        |
| European "6C" Shuttered Module Holder, 1-port, Angled, White       | AX101376        |
| European "6C", Blank Insert, White                                 | AX101377        |
| French Style Faceplate, 1-port, Flush, White                       | AX101413        |
| French Style Faceplate, 2-port, Flush, White                       | AX101414        |
| French Style Faceplate, 1-port, Angled, White                      | AX101415        |
| French Style Faceplate, 2-port, Angled, White                      | AX101416        |

### MDVO Multimedia Outlet Boxes

## MDVO Multimedia Outlet Box

The **MDVO Multimedia Outlet Box** brings unique versatility for multimedia work area installations. The box design provides cable management and helps maintain cable bend radius. The outlet box's low profile design and side-entry offers better protection for patch cords. The outlet box can accept up to six EZ-MDVO, GigaFlex or MDVO Multimedia Modules or three SC Duplex adapters.

The MDVO Multimedia Outlet Box can be mounted directly on the wall or attached to standard electrical boxes. Included with the MDVO Multimedia box are three SC Duplex Mounting bezels and three MDVO Adapters.



**A0643205** MDVO Multimedia Outlet Box, shown here as terminated

| DESCRIPTION                                       | ORDERING NUMBER |
|---|-----------------|
| <b>MDVO Multimedia Outlet Box, 6-port, Gray</b>   | A0643205        |
| <b>MDVO Multimedia Outlet Box, 6-port, Almond</b> | A0643206        |
| <b>MDVO Multimedia Outlet Box, 6-port, White</b>  | A0643207        |
| <b>MDVO Multimedia Outlet Box, 6-port, Black</b>  | A0643208        |

### MDVO Multimedia Modules

## MDVO Multimedia Module

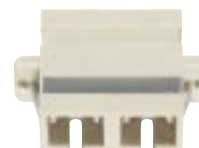
**MDVO Multimedia Modules** address audio/video and fiber applications. Fiber modules are available for LC Duplex, SC Simplex, ST Compatible multimode and MT-RJ multimode & singlemode connections. The SC Duplex Adapter is a fiber adapter sleeve with flanges that mounts into the SC Duplex mounting bezel (included in the MDVO Multimedia Outlet box). Audio/video modules are available for SVHS, RCA, BNC and Video F connections.



**A0407005** MDVO SC Fiber Module



**A0407010** MDVO ST Compatible Fiber Module



**A0649254** SC Duplex Adapter

| DESCRIPTION                         | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER |
|-------------------------------------|-----------------|-----------------|-----------------|-----------------|
| MDVO MULTIMEDIA MODULE              | GRAY            | ALMOND          | WHITE           | BLACK           |
| <b>LC Duplex Multimode, NEW</b>     | AX102209        | AX102210        | AX102211        | AX102212        |
| <b>LC Duplex Singlemode, NEW</b>    | AX102213        | AX102214        | AX102215        | AX102216        |
| <b>SC simplex, Multimode</b>        | A0407003        | A0407004        | A0407005        | A0407006        |
| <b>SC Duplex Adapter, Multimode</b> |                 | A0649254        |                 |                 |
| <b>ST Compatible, Multimode</b>     | A0407007        | A0407008        | A0407009        | A0407010        |

Custom multimedia connectors are also available, please contact Customer Service for more details.

# Copper Media

## Workstation Outlets

### MDVO Multimedia Modules (continued)



AX101467 MDVO MTRJ Fiber Module

### MDVO Multimedia Module



A0406997 MDVO BNC Coaxial Module



A0406999 MDVO Video F Coaxial Module

| DESCRIPTION                     | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|
| MDVO MULTIMEDIA MODULE          |                 |                 |                 |                 |
| MT-RJ, Multimode, Almond        | AX101467        |                 |                 |                 |
| MT-RJ, Singlemode, Blue         | AX101466        |                 |                 |                 |
|                                 | GRAY HOLDER     | ALMOND HOLDER   | WHITE HOLDER    | BLACK HOLDER    |
| Coaxial, BNC                    | A0406995        | A0406996        | A0406997        | A0406998        |
| Coaxial, VIDEO F                | A0406999        | A0407000        | A0407001        | A0407002        |
| RCA, feedthrough, White insert  | AX101823        | AX101824        | AX101825        | AX101826        |
| RCA, feedthrough, Yellow insert | AX101827        | AX101828        | AX101829        | AX101830        |
| RCA, feedthrough, Red insert    | AX101831        | AX101832        | AX101833        | AX101834        |
| RCA, feedthrough, Black insert  | AX101835        | AX101836        | AX101837        | AX101838        |
| SVHS, feedthrough               | AX101839        | AX101840        | AX101841        | AX101842        |

### Multi-User Outlet Boxes



AX100222 Multi-User Outlet Box.  
shown here with modules

### Multi-User Outlet Box

The **Multi-User Outlet Box** is a versatile box that can be used in many different applications. The outlet box can accommodate up to 24 connections of any type, UTP, fiber or coax. The outlet box is ideal for use as a multi-user telecommunications assembly, or simply as a high-density multimedia telecommunications outlet. The Multi-User Outlet Box can also be used as a wall mounted patch panel in confined areas, such as shallow rooms and cabinets.

| DESCRIPTION                            | ORDERING NUMBER |
|--|-----------------|
| Multi-User Outlet Box, 24-port, Gray   | AX100219        |
| Multi-User Outlet Box, 24-port, Almond | AX100220        |
| Multi-User Outlet Box, 24-port, White  | AX100221        |
| Multi-User Outlet Box, 24-port, Black  | AX100222        |

### Multi-User Outlet Boxes (continued)

## Multi-User Outlet Box

The Multi-User Outlet Box design allows for mixed media installations with a choice of connection strips. The box can accept either one or two 12-port **MDVO Adapter Strips**, **PS5E HD Connector Module Strips** (BIX or 110), or a combination of both for a maximum of 24 connections.



AX100223 MDVO Adapter Strip, 12-port

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| MDVO Adapter Strip, 12-port, Empty, Black                             | AX100223        |
| PS5E HD-BIX Connector Module Strip, Universal Wiring 12-port, T568A/B | AX100224        |
| PS5E HD-110 Connector Module Strip, Universal Wiring 12-port, T568B/A | AX100494        |

### PS5E BIX DVO Outlets

## PS5E BIX DVO Outlet

The **PS5E BIX DVO Workstation Outlets** are robust and installer-friendly products, combining punch-down connectors with standard modular jacks. The outlet's unique, completely enclosed housing protects the connectors and allows the wires to be front-terminated on BIX Insulation Displacement Connectors (IDC). The snap-on cover plate allows easy access and eliminates visible mounting screws. PS5E BIX DVO Workstation Outlets offer headroom over the Category 5e cabling standard.



PS5E BIX DVO Outlets

| DESCRIPTION                 | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER |
|-----------------------------|-----------------|-----------------|-----------------|
| PS5E BIX DVO OUTLET         | 1-PORT          | 2-PORT          | 4-PORT          |
| Surface, T568A-ISDN, Gray   | AX100382        | AX100390        | AX100398        |
| Surface, T568A-ISDN, Almond | AX100383        | AX100391        | AX100399        |
| Surface, T568A-ISDN, White  | AX100384        | AX100392        | AX100400        |
| Surface, T568A-ISDN, Black  | AX100385        | AX100393        | AX100401        |
| Surface, T568B-ALT, Gray    | AX100386        | AX100394        | AX100402        |
| Surface, T568B-ALT, Almond  | AX100387        | AX100395        | AX100403        |
| Surface, T568B-ALT, White   | AX100388        | AX100396        | AX100404        |
| Surface, T568B-ALT, Black   | AX100389        | AX100397        | AX100405        |

### PS5E BIX DVO Outlets (continued)

### PS5E BIX DVO Outlet

| DESCRIPTION               | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER |
|---------------------------|-----------------|-----------------|-----------------|
| PS5E BIX DVO OUTLET       | 1-PORT          | 2-PORT          | 4-PORT          |
| Flush, T568A-ISDN, Gray   | AX100334        | AX100342        | AX100350        |
| Flush, T568A-ISDN, Almond | AX100335        | AX100343        | AX100351        |
| Flush, T568A-ISDN, White  | AX100336        | AX100344        | AX100352        |
| Flush, T568A-ISDN, Black  | AX100337        | AX100345        | AX100353        |
| Flush, T568B-ALT, Gray    | AX100338        | AX100346        | AX100354        |
| Flush, T568B-ALT, Almond  | AX100339        | AX100347        | AX100355        |
| Flush, T568B-ALT, White   | AX100340        | AX100348        | AX100356        |
| Flush, T568B-ALT, Black   | AX100341        | AX100349        | AX100357        |

### PS5E BIX DVO Double Gang Outlets



AX100601 PS5E BIX DVO Module

### PS5E BIX DVO Double Gang Outlet

PS5E BIX DVO Double Gang Workstation Outlets offer high capacity outlet configuration options in the work area. They are created by combining **PS5E BIX DVO Connector Modules** and **DVO Double Gang Faceplates**.

Each faceplate can accept up to two connector modules. A color-coded icon labeling system can be used to tag each outlet port and simplify network management.



AX100613 DVO Faceplate, 3-port



AX100640 DVO Faceplate, 4-port

| DESCRIPTION  | ORDERING NUMBER | ORDERING NUMBER |
|--|-----------------|-----------------|
|  | T568A-ISDN      | T568B-ALT       |
| PS5E BIX DVO Connector Module, Flush, 1-port, Gray | AX100601        | AX100604        |
| PS5E BIX DVO Connector Module, Flush, 2-port, Gray | AX100602        | AX100605        |
|  | 3-PORT          | 4-PORT          |
| DVO Double Gang Faceplate, Flush, Gray             | AX100613        | AX100640        |
| DVO Double Gang Faceplate, Flush, Almond           | AX100614        | AX100641        |
| DVO Double Gang Faceplate, Flush, White            | AX100615        | AX100642        |
| DVO Double Gang Faceplate, Flush, Black            | AX100616        | AX100643        |

### Outlet Accessories

## MDVO Blank Insert

**MDVO Blank Inserts** can be used in any MediaFlex outlets, Interface plates, MDVO faceplates, adapters or boxes to fill in unused ports.



**A0405538** MDVO Blank

## Colored Bezel

**The Colored Bezels** are plastic inserts that fit over the face of GigaFlex and EZ-MDVO Modules to modify their color. They are particularly useful in installations where the churn rate is high and color identification of outlets is critical (ex.: segmented network with security levels). They also contribute to simplifying the management of the cabling infrastructure by using only one color of module for Moves, Adds and Changes (MACs).



**AX102022** Colored Bezel

## ID Tab

**ID Tabs** are color-coded identification caps that can be inserted over the GigaFlex and EZ-MDVO Modules. The ID tabs are available as blank, data or voice coded. They are available in eleven colors to facilitate identification and to match modern office decor.

The flexible identification cap also acts as a protective cover eliminating exposure to dust and other contaminants when the module is not in use.



**AX100196** ID Tab

| DESCRIPTION              | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
|                          | GRAY            | ALMOND          | WHITE           | BLACK           |
| <b>MDVO Blank Insert</b> | A0405536        | A0405537        | A0405538        | A0405539        |
|                          | GRAY            | ALMOND          | WHITE           | BLACK           |
| <b>Colored Bezel</b>     | AX102014        | AX102015        | AX102016        | AX102017        |
|                          | ORANGE          | RED             | YELLOW          | GREEN           |
|                          | AX102018        | AX102019        | AX102020        | AX102021        |
|                          | BLUE            | PURPLE          | BROWN           |                 |
|                          | AX102022        | AX102023        | AX102024        |                 |
|                          | BLANK           | DATA            | VOICE           |                 |
| <b>ID Tab, Gray</b>      | AX100182        | AX100193        | AX100204        |                 |
| <b>ID Tab, Almond</b>    | AX100183        | AX100194        | AX100205        |                 |
| <b>ID Tab, White</b>     | AX100184        | AX100195        | AX100206        |                 |
| <b>ID Tab, Black</b>     | AX100185        | AX100196        | AX100207        |                 |
| <b>ID Tab, Orange</b>    | AX100186        | AX100197        | AX100208        |                 |
| <b>ID Tab, Red</b>       | AX100187        | AX100198        | AX100209        |                 |
| <b>ID Tab, Yellow</b>    | AX100188        | AX100199        | AX100210        |                 |
| <b>ID Tab, Green</b>     | AX100189        | AX100200        | AX100211        |                 |
| <b>ID Tab, Blue</b>      | AX100190        | AX100201        | AX100212        |                 |
| <b>ID Tab, Purple</b>    | AX100191        | AX100202        | AX100213        |                 |
| <b>ID Tab, Brown</b>     | AX100192        | AX100203        | AX100214        |                 |

# Copper Media

## Workstation Outlets

### Tools



AX100749 IBDN GigaFlex Connecting Tool

### GigaFlex Connecting Tool

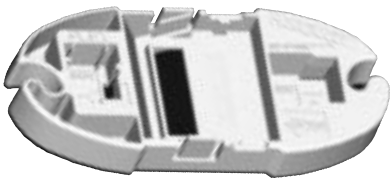
The **GigaFlex Connecting Tool** is a no-impact connecting tool used to terminate cables, pigtails or cross-connect wires on any GigaFlex module or 110 product. The GigaFlex Tool is a spring-activated hand tool. A single forward movement will seat the wire into the IDC clip and cut off the excess wire. The tool will terminate 22, 24 and 26-AWG plastic insulated solid copper conductors.



1797B Cable Preparation Tool

### Bonded-Pair Cable Preparation Tool

The **Bonded-Pair Cable Preparation Tool** makes it faster and easier to prepare cables for connector termination. This tool is ideal for use with Belden IBDN's DataTwist® 350, MediaTwist®, and DataTwist® 600e Bonded-Pair cables, providing special features that help separate twisted pairs. It can also be used to prepare any unbonded-pair cable for installation.



AX101852 Termination Station

### Termination Station

The **Termination Station** is an ergonomically designed holder that provides stability to the GigaFlex Module during the termination process. The station has pockets with locking features that steadily holds either MDVO-style or Keystone-style GigaFlex Modules or MediaFlex Inserts during pair placement and wire termination. Cable retainers on each end of the station will secure and hold cables during the pair placements process. The flat bottom surface will provide the required stability to safely terminate the modules. The tool is made of very durable plastic and its low profile makes it an easy tool to use and carry.



AX101185 Outlet Release Tool

### Outlet Release Tool

The **Outlet Release Tool** is a very convenient tool for servicing the MediaFlex and Interface outlets. Its bent tip allows for easy front removal of MediaFlex inserts, especially when used in Angled Entry plates. It is also very useful to extract GigaFlex Modules from miscellaneous mounting hardware and to remove the protective cap for GigaFlex Module re-termination.

| DESCRIPTION                        | ORDERING NUMBER |
|------------------------------------|-----------------|
| GigaFlex Connecting Tool           | AX100749        |
| Bonded-Pair Cable Preparation Tool | 1797B           |
| Termination Station                | AX101852        |
| Outlet Release Tool                | AX101185        |

## GigaFlex PS6+ Modular Cords Enhanced Category 6

### GigaFlex PS6+ Modular Cord

The **GigaFlex PS6+ Modular Cords** are 4-pair 23 AWG UTP modular cords designed for use with the Belden IBDN Systems 2400 and 4800LX, providing channel bandwidths of 250 MHz and 300 MHz, respectively. The GigaFlex PS6+ Modular Cords have been designed to provide a mated-connection performance that exceeds the Category 6 requirements.

The GigaFlex PS6+ Modular Cord's patented design, with a very small footprint, makes them fully compatible with any of the highest density hubs with RJ45 jack connections.



**AX350061** GigaFlex PS6+ Modular Cord

| DESCRIPTION   | ORDERING NUMBER | ORDERING NUMBER |
|---|-----------------|-----------------|
| GIGAFLEX PS6+ MODULAR CORD, CMR                         | BLUE            | WHITE           |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 0.6 m (2 ft.)    | AX350037        | AX350043        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 1.2 m (4 ft.)    | AX350038        | AX350044        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 2.1 m (7 ft.)    | AX350039        | AX350045        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 3.0 m (10 ft.)   | AX350040        | AX350046        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 4.6 m (15 ft.)   | AX350041        | AX350047        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 7.6 m (25 ft.)   | AX350042        | AX350048        |
|   | GRAY            | GREEN           |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 0.6 m (2 ft.)    | AX350049        | AX350055        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 1.2 m (4 ft.)    | AX350050        | AX350056        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 2.1 m (7 ft.)    | AX350051        | AX350057        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 3.0 m (10 ft.)   | AX350052        | AX350058        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 4.6 m (15 ft.)   | AX350053        | AX350059        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 7.6 m (25 ft.)   | AX350054        | AX350060        |
|   | RED             | YELLOW          |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 0.6 m (2 ft.)    | AX350061        | AX350067        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 1.2 m (4 ft.)    | AX350062        | AX350068        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 2.1 m (7 ft.)    | AX350063        | AX350069        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 3.0 m (10 ft.)   | AX350064        | AX350070        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 4.6 m (15 ft.)   | AX350065        | AX350071        |
| 4-pair, 23 AWG solid, T568A/B-T568A/B, 7.6 m (25 ft.)   | AX350066        | AX350072        |
|   | GRAY            |                 |
| 4-pair, 23 AWG solid, T568A/B-open, 4.6 m (15 ft.), NEW | AX350149        |                 |
| 4-pair, 23 AWG solid, T568A/B-open, 7.6 m (25 ft.), NEW | AX350093        |                 |

# Copper Media

## Modular Cords

### GigaFlex PS5E Modular Cords Category 5E



AX350013 GigaFlex PS5E Modular Cord

## GigaFlex PS5E Modular Cord

The **GigaFlex PS5E Modular Cords** are 4-pair 24 AWG UTP modular cords that are designed for use with the Belden IBDN Plus Cabling System and the Belden IBDN System 1200 providing channel bandwidths of 100 MHz and 160 MHz, respectively.

The GigaFlex PS5E Modular Cord's patented design features a very small footprint, making them fully compatible with the highest density hubs which use RJ45 jack connections. The GigaFlex PS5E Modular Cords have been designed to provide a mated-connection performance that exceeds the Category 5e standard.

| DESCRIPTION  | ORDERING NUMBER | ORDERING NUMBER |
|--|-----------------|-----------------|
| GIGAFLEX PS5E MODULAR CORD, CMR                          | BLUE            | WHITE           |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 0.6 m (2 ft.)  | AX350001        | AX350007        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 1.2 m (4 ft.)  | AX350002        | AX350008        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 2.1 m (7 ft.)  | AX350003        | AX350009        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 3.0 m (10 ft.) | AX350004        | AX350010        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 4.6 m (15 ft.) | AX350005        | AX350011        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 7.6 m (25 ft.) | AX350006        | AX350012        |
|  | GRAY            | GREEN           |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 0.6 m (2 ft.)  | AX350013        | AX350019        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 1.2 m (4 ft.)  | AX350014        | AX350020        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 2.1 m (7 ft.)  | AX350015        | AX350021        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 3.0 m (10 ft.) | AX350016        | AX350022        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 4.6 m (15 ft.) | AX350017        | AX350023        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 7.6 m (25 ft.) | AX350018        | AX350024        |
|  | RED             | YELLOW          |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 0.6 m (2 ft.)  | AX350025        | AX350031        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 1.2 m (4 ft.)  | AX350026        | AX350032        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 2.1 m (7 ft.)  | AX350027        | AX350033        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 3.0 m (10 ft.) | AX350028        | AX350034        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 4.6 m (15 ft.) | AX350029        | AX350035        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 7.6 m (25 ft.) | AX350030        | AX350036        |

### IBDN Plus Modular Cords Category 5

## IBDN Plus Modular Cord

**IBDN Plus Modular Cords** are made of Category 5 plenum and riser rated 24 AWG IBDN Plus Patch Cable.



IBDN Plus Modular Cord

| DESCRIPTION   | ORDERING NUMBER | ORDERING NUMBER |
|---|-----------------|-----------------|
| IBDN PLUS MODULAR CORD, CMR                                 | BLUE            | WHITE           |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 0.6 m (2 ft.)     | 23518027        | 23528027        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 1.2 m (4 ft.)     | 23518047        | 23528047        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 2.1 m (7 ft.)     | 23518077        | 23528077        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 3.0 m (10 ft.)    | 23518107        | 23528107        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 4.6 m (15 ft.)    | 23518157        | 23528157        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 7.6 m (25 ft.)    | 23518257        | 23528257        |
|   | RED             | WHITE           |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 0.6 m (2 ft.)     | 23538027        | 23548027        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 1.2 m (4 ft.)     | 23538047        | 23548047        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 2.1 m (7 ft.)     | 23538077        | 23548077        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 3.0 m (10 ft.)    | 23538107        | 23548107        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 4.6 m (15 ft.)    | 23538157        | 23548157        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 7.6 m (25 ft.)    | 23538257        | 23548257        |
|   | YELLOW          | GRAY            |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 0.6 m (2 ft.)     | 23568027        | 23598027        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 1.2 m (4 ft.)     | 23568047        | 23598047        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 2.1 m (7 ft.)     | 23568077        | 23598077        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 3.0 m (10 ft.)    | 23568107        | 23598107        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 4.6 m (15 ft.)    | 23568157        | 23598157        |
| 4-pair, 24 AWG stranded, T568A/B-T568A/B, 7.6 m (25 ft.)    | 23568257        | 23598257        |
| IBDN PLUS X-OVER CORD                                       |                 | GRAY            |
| 4-pair, 24 AWG stranded, T568A-T568B X-Over, 2.1 m (7 ft.)  |                 | 23598074        |
| 4-pair, 24 AWG stranded, T568A-T568B X-Over, 4.6 m (15 ft.) |                 | 23598154        |
| 4-pair, 24 AWG stranded, T568A-T568B X-Over, 7.6 m (25 ft.) |                 | 23598254        |
| IBDN PLUS MODULAR CORD, GRAY                                | CMR             | CMP             |
| 4-pair, 24 AWG solid, T568A/B-T568A/B, 2.1 m (7 ft.)        | 23498077        | 23398077        |
| 4-pair, 24 AWG solid, T568A/B-T568A/B, 3.0 m (10 ft.)       | 23498107        | 23398107        |
| 4-pair, 24 AWG solid, T568A/B-T568A/B, 7.6 m (25 ft.)       | 23498257        | 23398257        |
| 4-pair, 24 AWG solid, T568A/B-T568A/B, 15.0 m (50 ft.)      | 23498507        | 23398507        |
| 4-pair, 24 AWG solid, T568A/B-T568A/B, 20.1 m (66 ft.)      | 23498667        | 23398667        |
| IBDN PLUS PIGTAILS, GRAY                                    | CMR             | CMP             |
| 4-pair, 24 AWG solid, T568A/B-open, 3.0 m (10 ft.)          | 23498105        |                 |
| 4-pair, 24 AWG solid, T568A/B-open, 4.6 m (15 ft.)          | 23498155        |                 |
| 4-pair, 24 AWG solid, T568A/B-open, 7.6 m (25 ft.)          | 23498255        | 23398255        |
| 4-pair, 24 AWG solid, T568A/B-open, 10.6 m (35 ft.)         | 23498355        | 23398355        |
| 4-pair, 24 AWG solid, T568A/B-open, 15.0 m (50 ft.)         | 23498505        | 23398505        |

# Copper Media

Wires and Cables

## DataTwist 600e Cables Series, Enhanced Category 6



7852A D151000 DataTwist 600e

### DataTwist 600e

**DataTwist® 600e** is a revolutionary UTP cable engineered specifically to perform well beyond ANSI/TIA/EIA-568-B.2-1 Category 6 requirements. DataTwist 600e is the only UTP cable in the industry fully characterized with guaranteed performance to 600 MHz. Available in plenum and non-plenum versions, DataTwist 600e with Bonded-Pair technology provides a greater amount of headroom, allowing the structured cabling system to deliver guaranteed performance even when unforeseen circumstances arise.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| DATATWIST 600E, CMR  |                 |
| 4-pair, 23 AWG, Cat 6, White, 305 m (1000 ft.), Reel               | 7851A 0091000   |
| 4-pair, 23 AWG, Cat 6, Light Blue, 305 m (1000 ft.), Reel          | 7851A 0061000   |
| 4-pair, 23 AWG, Cat 6, White, 305 m (1000 ft.), Reel-in-a-Box      | 7851A 009A1000  |
| 4-pair, 23 AWG, Cat 6, Light Blue, 305 m (1000 ft.), Reel-in-a-Box | 7851A 006A1000  |
| DATATWIST 600E, CMP  |                 |
| 4-pair, 23 AWG, Cat 6, White, 305 m (1000 ft.), Reel               | 7852A 0091000   |
| 4-pair, 23 AWG, Cat 6, Blue, 305 m (1000 ft.), Reel                | 7852A D151000   |
| 4-pair, 23 AWG, Cat 6, White, 305 m (1000 ft.), Reel-in-a-Box      | 7852A 009A1000  |
| 4-pair, 23 AWG, Cat 6, Blue, 305 m (1000 ft.), Reel-in-a-Box       | 7852A D15A1000  |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## GigaFlex 4800LX Cable Series Enhanced Category 6



24586985 GigaFlex 4812LX Cable, Riser

### GigaFlex 4800LX Cable

**The GigaFlex 4800LX Cable Series** continues to set a performance benchmark that exceeds Category 6 requirements as per ANSI/TIA/EIA-568-B. When used as the horizontal cable in the Belden IBDN System 4800LX, it provides 300 MHz of channel bandwidth and a data-rate of 4.8 Gb/s. Available in plenum and non-plenum versions, the GigaFlex 4800LX Cable provides additional headroom for today's most demanding and critical applications.



24587385 GigaFlex 4813LX Cable, Plenum



24588085 GigaFlex 4824LX Cable, LSZH

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| GIGAFLEX 4812LX CABLE, CMR                                     |                 |
| 4-pair, 23 AWG, Cat 6, White, 305 m (1000 ft.), 11-3/4N Spool  | 24586385        |
| 4-pair, 23 AWG, Cat 6, Blue, 305 m (1000 ft.), 11-3/4N Spool   | 24586985        |
| GIGAFLEX 4813LX CABLE, CMP                                     |                 |
| 4-pair, 23 AWG, Cat 6, White, 305 m (1000 ft.), 11-3/4N Spool  | 24587385        |
| 4-pair, 23 AWG, Cat 6, Blue, 305 m (1000 ft.), 11-3/4N Spool   | 24587985        |
| GIGAFLEX 4824LX CABLE, LSZH                                    |                 |
| 4-pair, 23 AWG, Cat 6, Purple, 305 m (1000 ft.), 11-3/4N Spool | 24588085        |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## MediaTwist Cables Series, Enhanced Category 6



### MediaTwist

**MediaTwist®** is engineered to exceed the ANSI/TIA/EIA-568-B.2-1 Category 6 requirements. The exceptional physical uniformity of MediaTwist translates into premier electrical performance benefits for users. Available in plenum and non-plenum versions, MediaTwist has taken Bonded-Pair technology a step further. Its unique crescent shape design ensures that pair-to-pair movement is minimized during installation. The innovative design of MediaTwist provides stable crosstalk and impedance performance both before and after installation. This results in improved signal integrity and reduced signal radiation, making MediaTwist an excellent choice for your Category 6 cable.



1872A X6G1000 MediaTwist

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| MEDIATWIST, CMR   |                 |
| 4-pair, 23 AWG, White, 305 m (1000 ft.), Reel               | 1872A 0091000   |
| 4-pair, 23 AWG, Light Blue, 305 m (1000 ft.), Reel          | 1872A 0061000   |
| 4-pair, 23 AWG, White, 305 m (1000 ft.), Reel-in-a-Box      | 1872A 009A1000  |
| 4-pair, 23 AWG, Light Blue, 305 m (1000 ft.), Reel-in-a-Box | 1872A 006A1000  |
| MEDIATWIST, CMP   |                 |
| 4-pair, 23 AWG, White, 305 m (1000 ft.), Reel               | 1874A 0091000   |
| 4-pair, 23 AWG, Blue, 305 m (1000 ft.), Reel                | 1874A D151000   |
| 4-pair, 23 AWG, White, 305 m (1000 ft.), Reel-in-a-Box      | 1874A 009A1000  |
| 4-pair, 23 AWG, Blue, 305 m (1000 ft.), Reel-in-a-Box       | 1874A D15A1000  |

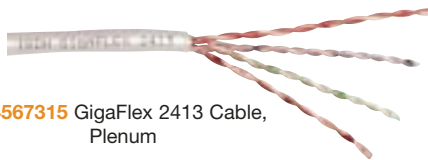
Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## GigaFlex 2400 Cable Series Category 6

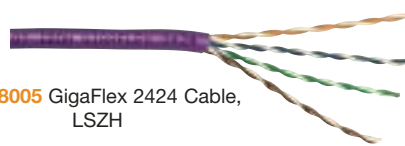


### GigaFlex 2400 Cable

**GigaFlex 2400 Cable** Series consists of 4-pair UTP cables that exceed Category 6 requirements as per ANSI/TIA/EIA-568-B.2-1. When used as the horizontal cable in the Belden IBDN System 2400, the channel provides at least 250 MHz of bandwidth and a data-rate of 2.4 Gb/s.



24567315 GigaFlex 2413 Cable, Plenum



24568005 GigaFlex 2424 Cable, LSZH



24566915 GigaFlex 2412 Cable, Riser

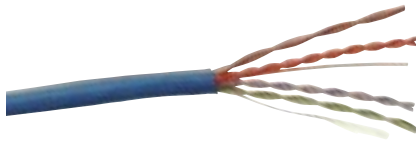
| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| GIGAFLEX 2412 CABLE, CMR  |                 |
| 4-pair, 24 AWG, Cat 6, White, 305 m (1000 ft.), Spool-in-Box        | 24566315        |
| 4-pair, 24 AWG, Cat 6, Blue, 305 m (1000 ft.), Spool-in-Box         | 24566915        |
| 4-pair, 24 AWG, Cat 6, White, 305 m (1000 ft.), 11-3/4N Spool       | 24566345        |
| 4-pair, 24 AWG, Cat 6, Blue, 305 m (1000 ft.), 11-3/4N Spool        | 24566945        |
| GIGAFLEX 2413 CABLE, CMP  |                 |
| 4-pair, 24 AWG, Cat 6, White, 305 m (1000 ft.), Spool-in-Box        | 24567315        |
| 4-pair, 24 AWG, Cat 6, Blue, 305 m (1000 ft.), Spool-in-Box         | 24567915        |
| 4-pair, 24 AWG, Cat 6, White, 305 m (1000 ft.), 11N Spool           | 24567345        |
| 4-pair, 24 AWG, Cat 6, Blue, 305 m (1000 ft.), 11N Spool            | 24567945        |
| GIGAFLEX 2424 CABLE, LSZH   |                 |
| 4-pair, 24 AWG, Category 6, Purple, 305 m (1000 ft.), 11-3/4N Spool | 24568005        |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

# Copper Media

Wires and Cables

## DataTwist 6 Cables Series, Category 6



DataTwist 6

### DataTwist 6

**DataTwist® 6** is a state of the art UTP cable engineered specifically to perform to Category 6 requirements per ANSI/TIA/EIA-568-B.2-1. DataTwist 6 is an unbonded-pair cable built to ensure performance. Available in plenum and non-plenum versions with guaranteed performance to 250MHz, DataTwist 6 cable is suitable for high bandwidth networks.

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| DATATWIST 6, CMR  |                 |
| 4-pair, 23 AWG, White, 305 m (1000 ft.), Reel               | 7881A 0091000   |
| 4-pair, 23 AWG, Light Blue 305 m (1000 ft.), Reel           | 7881A 0061000   |
| 4-pair, 23 AWG, White, 305 m (1000 ft.), Reel-in-a-Box      | 7881A 009A1000  |
| 4-pair, 23 AWG, Light Blue, 305 m (1000 ft.), Reel-in-a-Box | 7881A 006A1000  |
| DATATWIST 6, CMP  |                 |
| 4-pair, 23 AWG, White, 305 m (1000 ft.), Reel               | 7882A 0091000   |
| 4-pair, 23 AWG, Blue, 305 m (1000 ft.), Reel                | 7882A D151000   |
| 4-pair, 23 AWG, White, 305 m (1000 ft.), Reel-in-a-Box      | 7882A 009A1000  |
| 4-pair, 23 AWG, Blue, 305 m (1000 ft.), Reel-in-a-Box       | 7882A D15A1000  |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## DataTwist Category 6 Limited Combustible



**7813LC 0061000** DataTwist Category 6 Limited Combustible

### DataTwist Category 6 Limited Combustible

**DataTwist® Limited Combustible** Category 6 Cable is a revolutionary UTP cable engineered specifically to meet the NFPA requirements for a Limited Combustible cable and perform beyond Category 6 requirements per ANSI/TIA/EIA-568-B.2-1. Available only in a plenum version, the DataTwist Category 6 Limited Combustible Cable is the next generation of cable technology - providing Bonded-Pairs for Installable Performance® and the ultimate in fire and smoke safety.

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| DATATWIST CATEGORY 6 LIMITED COMBUSTIBLE, CMP-50            |                 |
| 4-pair, 23 AWG, Cat 6, White, 305 m (1000 ft.), Reel        | 7813LC 0091000  |
| 4-pair, 23 AWG, Cat 6, Light Blue, 305 m (1000 ft.), Reel   | 7813LC 0061000  |
| 4-pair, 23 AWG, Cat 6, White, 305 m (1000 ft.), UnReel®     | 7813LC 009U1000 |
| 4-pair, 23 AWG, Cat 6, Light Blue, 305 m (1000 ft.), UnReel | 7813LC 006U1000 |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## DataTwist 350 Cables Series, Enhanced Category 5e



### DataTwist 350

**DataTwist® 350** provides the user with superior electrical performance both “on-the-reel” and in the wall. DataTwist 350 Cables are available in plenum and non-plenum versions. They ensure superior Installable Performance® by utilizing the patented Bonded-Pair design. They exceed the full range of industry performance criteria, both electrically and physically. DataTwist 350 Enhanced Category 5e Cable sets a new precedent for cabling with confidence.



DataTwist 350

| DESCRIPTION                                     | ORDERING NUMBER | ORDERING NUMBER |
|---|-----------------|-----------------|
| DATATWIST 350, CM                               | WHITE           | LIGHT BLUE      |
| <b>4-pair, 24 AWG, 305 m (1000 ft.), Reel</b>   | 1700A 0091000   | 1700A 0061000   |
| <b>4-pair, 24 AWG, 305 m (1000 ft.), UnReel</b> | 1700A 009U1000  | 1700A 006U1000  |
| DATATWIST 350, CMR                              | WHITE           | LIGHT BLUE      |
| <b>4-pair, 24 AWG, 305 m (1000 ft.), Reel</b>   | 1700R 0091000   | 1700R 0061000   |
| <b>4-pair, 24 AWG, 305 m (1000 ft.), UnReel</b> | 1700R 009U1000  | 1700R 006U1000  |
| DATATWIST 350, CMP                              | WHITE           | BLUE            |
| <b>4-pair, 24 AWG, 305 m (1000 ft.), Reel</b>   | 1701A 0091000   | 1701A D151000   |
| <b>4-pair, 24 AWG, 305 m (1000 ft.), UnReel</b> | 1701A 009U1000  | 1701A D15U1000  |
| DATATWIST 350 LIMITED COMBUSTIBLE, CMP-50       | WHITE           | LIGHT BLUE      |
| <b>4-pair, 24 AWG, 305 m (1000 ft.), Reel</b>   | 1701LC 0091000  | 1701LC 0061000  |
| <b>4-pair, 24 AWG, 305 m (1000 ft.), UnReel</b> | 1701LC 009U1000 | 1701LC 006U1000 |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## DataTwist 350 Banana Peel Cables Series, Enhanced Category 5e

### DataTwist 350 Banana Peel

**DataTwist® 350 Banana Peel®** Enhanced Category 5e Cable is a revolutionary patented-pending design. This unique design effectively bundles six DataTwist 350 Category 5e Cables to a center spine, eliminating the need for an overall jacket. The elimination of the outer jacket means simpler termination by peeling the cables directly off the spine as well as a decrease in size and the relative bend radius. Networking cable has just been made easier - and therefore more cost efficient – through the patented-pending DataTwist 350 Banana Peel Enhanced Category 5e design.



1700S6 0061000 DataTwist 350 Banana Peel

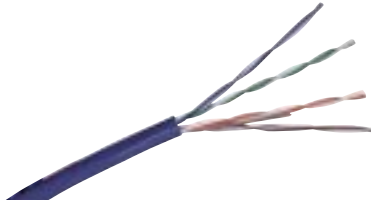
| DESCRIPTION   | ORDERING NUMBER | ORDERING NUMBER |
|---|-----------------|-----------------|
| DATATWIST 350 BANANA PEEL, CMR                            | LIGHT BLUE      | GRAY            |
| <b>Banana Peel Bundled 6 Pack, 152 m (500 ft.), Reel</b>  | 1700S6 006500   | 1700S6 F2V500   |
| <b>Banana Peel Bundled 6 Pack, 305 m (1000 ft.), Reel</b> | 1700S6 0061000  | 1700S6 F2V1000  |
| DATATWIST 350 BANANA PEEL, CMP                            | BLUE            | NATURAL         |
| <b>Banana Peel Bundled 6 Pack, 152 m (500 ft.), Reel</b>  | 1701S6 D15500   | 1701S6 877500   |
| <b>Banana Peel Bundled 6 Pack, 305 m (1000 ft.), Reel</b> | 1701S6 D151000  | 1701S6 8771000  |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

# Copper Media

Wires and Cables

## DataTwist 5e+ Cables Series, Enhanced Category 5e



1501A D151000 DataTwist 5e+

### DataTwist 5e+

**DataTwist® 5e+** Enhanced Category 5e cable is a UTP cable engineered specifically to perform well beyond Category 5e requirements per ANSI/TIA/EIA-568-B.2. DataTwist 5e+ is performance guaranteed to 350 MHz. Available in plenum and non-plenum versions, the DataTwist 5e+ cable is the next generation of cable technology providing performance headroom, allowing the structured cabling system to deliver performance even when unforeseen circumstances arise.

| DESCRIPTION                                     | ORDERING NUMBER | ORDERING NUMBER |
|---|-----------------|-----------------|
| DATATWIST 5E+, CM                               | WHITE           | LIGHT BLUE      |
| 4-pair, 24 AWG, 305 m (1000 ft.), Reel          | 1500A 0091000   | 1500A 0061000   |
| 4-pair, 24 AWG, 305 m (1000 ft.), Reel-in-a-Box | 1500A 009A1000  | 1500A 006A1000  |
| DATATWIST 5E+, CMR                              | WHITE           | LIGHT BLUE      |
| 4-pair, 24 AWG, 305 m (1000 ft.), Reel          | 1500R 0091000   | 1500R 0061000   |
| 4-pair, 24 AWG, 305 m (1000 ft.), Reel-in-a-Box | 1500R 009A1000  | 1500R 006A1000  |
| DATATWIST 5E+, CMP                              | WHITE           | BLUE            |
| 4-pair, 24 AWG, 305 m (1000 ft.), Reel          | 1501A 0091000   | 1501A D151000   |
| 4-pair, 24 AWG, 305 m (1000 ft.), Reel-in-a-Box | 1501A 009A1000  | 1501A D15A1000  |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## GigaFlex 1200 Cable Series Category 5E



24570161 GigaFlex 1212 Cable, Riser

### GigaFlex 1200 Cable

**GigaFlex 1200 Cable** Series consists of 4-pair UTP cables that exceed the Category 5e requirements as per ANSI/TIA/EIA-568-B.2 standard. When used as the horizontal cable in the Belden IBDN System 1200, the channel provides 160 MHz of bandwidth and a data-rate of up to 1.2 Gb/s.



24570810 GigaFlex 1213 Cable, Plenum



24570157 GigaFlex 1224 Cable, LSZH

| DESCRIPTION   | ORDERING NUMBER | ORDERING NUMBER |
|---|-----------------|-----------------|
| GIGAFLEX 1212 CABLE, CMR                            | BLUE            | WHITE           |
| 4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Box       | 24570161        | 24570166        |
| 4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), 11N Spool | 4570452         | 24570460        |
| GIGAFLEX 1213 CABLE, CMP                            |                 |                 |
| 4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Box       | 24570800        | 24570810        |
| 4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), 11N Spool | 24570812        | 24570808        |
| GIGAFLEX 1224 CABLE, LSZH                           | PURPLE          |                 |
| 4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Box       | 24570157        |                 |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## DataTwist 5e Cables Series, Category 5e

### DataTwist 5e

**DataTwist® 5e** Cables are easy to install and offer all the performance you need to meet ANSI/TIA/EIA 568-B.2 Category 5e standards. DataTwist 5e Cables are available in plenum and non-plenum versions and several color and packaging options to ease installation, handling, and identification. Made to the highest quality standards in the industry, DataTwist 5e Cables support all applications that operate using Category 5e standards.



DataTwist 5e

| DESCRIPTION   | ORDERING NUMBER | ORDERING NUMBER  |
|---|-----------------|------------------|
| DATATWIST 5E, CM  | LIGHT BLUE      | GRAY, DARK PEARL |
| <b>2-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Reel</b>   | 1588A 0061000   | 1588A F6H1000    |
| <b>2-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), UnReel</b> | 1588A 006U1000  | 1588A F6HU1000   |
|   | LIGHT BLUE      | WHITE            |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Reel</b>   | 1583A 0061000   | 1583A 0091000    |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), UnReel</b> | 1583A 006U1000  | 1583A 009U1000   |
| DATATWIST 5E, CMR                                       | LIGHT BLUE      | WHITE            |
| <b>2-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Reel</b>   | 1588R 0061000   |                  |
| <b>2-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), UnReel</b> | 1588R 006U1000  |                  |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Reel</b>   | 1583R 0061000   | 1583R 0091000    |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), UnReel</b> | 1583R 006U1000  | 1583R 009U1000   |
| DATATWIST 5E, CMR/CMX                                   | GRAY            | WHITE            |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), UnReel</b> | 1594A 009U1000  | 1594A 008U1000   |
| DATATWIST 5E, CMP                                       | BLUE            | NATURAL          |
| <b>2-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Reel</b>   | 1590A D151000   | 1590A 8771000    |
|   | BLUE            | WHITE            |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Reel</b>   | 1585A D151000   | 1585A 0091000    |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), UnReel</b> | 1585A D15U1000  | 1585A 009U1000   |
| DATATWIST 5E LIMITED COMBUSTIBLE, CMP-50                | LIGHT BLUE      | WHITE            |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), Reel</b>   | 1585LC 0061000  | 1585LC 0091000   |
| <b>4-pair, 24 AWG, Cat 5e, 305 m (1000 ft.), UnReel</b> | 1585LC 006U1000 | 1585LC 009U1000  |



Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

# Copper Media

Wires and Cables

## IBDN Plus Cable Series Category 5



24570036 IBDN Plus Cable, Riser

### IBDN Plus Cable

**IBDN Plus Cable** Series consist of 4-pair UTP cables, which exceed the Category 5 requirements of ANSI/TIA/EIA-568-A and CSA T529-95 specifications.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| IBDN PLUS CABLE, CMR                                 |                 |
| 4-pair, 24 AWG, Cat 5, Blue, 305 m (1000 ft.), Box   | 24570036        |
| 4-pair, 24 AWG, Cat 5, White, 305 m (1000 ft.), Box  | 24570086        |
| IBDNFLEX PLUS CABLE, CMP                             |                 |
| 4-pair, 24 AWG, Cat 5, Blue, 305 m (1000 ft.), Box   | 24570750        |
| 4-pair, 24 AWG, Cat 5, White, 305 m (1000 ft.), Box  | 24570700        |
| IBDN PLUS LSZH CABLE                                 |                 |
| 4-pair, 24 AWG, Cat 5, Purple, 305 m (1000 ft.), Box | 24570152        |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## D-Inside Cable and D-Flex Plenum Cable Series Category 3



24501941 D-Inside Series Cable, Category 3

### D-Inside Cable

**D-Inside Cable and D-Flex Plenum Cable** Series consists of 2, 3 and 4-pair UTP cable that meets and exceeds ANSI/TIA/EIA-568-A and CSA T529-95 specifications for Category 3 transmission characteristics.

| DESCRIPTION                                   | ORDERING NUMBER |
|---|-----------------|
| D-INSIDE CABLE RISER, 24 AWG, CMR, CATEGORY 3 |                 |
| 2-pair, Olive Gray, 762 m (2500 ft.), Box     | 24501922        |
| 3-pair, Olive Gray, 457 m (1500 ft.), Box     | 24501934        |
| 4-pair, Olive Gray, 305 m (1000 ft.), Box     | 24501941        |
| 4-pair, Olive Gray, 457 m (1500 ft.), Box     | 24501950        |
| 4-pair, Olive Gray, 305 m (1000 ft.), Spool   | 24501947        |
| D-FLEX PLENUM CABLE, 24 AWG, CMP, CATEGORY 3  |                 |
| 3-pair, Olive Gray, 457 m (1500 ft.), Box     | 24571097        |
| 4-pair, Olive Gray, 305 m (1000 ft.), Box     | 24571111        |
| 4-pair, Olive Gray, 457 m (1500 ft.), Box     | 24571112        |
| 4-pair, Olive Gray, 305 m (1000 ft.), Spool   | 24571110        |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## DataTwist 3

**DataTwist® 3** Cable is a high value UTP cable engineered specifically to perform to Category 3 requirements per ANSI/TIA/EIA-568-B.2.

Available in plenum and non-plenum versions, DataTwist 3 Cable is suitable for use in networking and communication systems.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| DATATWIST 3  |                 |
| 2-pair, 24 AWG, CMR, Gray, 305 m (1000 ft.), UnReel            | 1227A1 008U1000 |
| 4-pair, 24 AWG, CMR, Gray, 305 m (1000 ft.), UnReel            | 1229A1 008U1000 |
| 25-pair, 24 AWG, CMR, Gray, 305 m (1000 ft.), Reel             | 1232A1 0081000  |
| 2-pair, 24 AWG, Low Smoke CMP, White, 305 m (1000 ft.), UnReel | 1243A2 009U1000 |
| 4-pair, 24 AWG, Low Smoke CMP, White, 305 m (1000 ft.), UnReel | 1245A2 009U1000 |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

# Copper Media

Backbone Indoor Cable (Multi-Pair)

## IBDN Plus 25-pair Cable Series Category 5E



24576125 IBDN Plus 25-pair Cat5E Cable

### IBDN Plus 25-pair Cat5E Cable

Available in plenum and non-plenum versions, **IBDN Plus 25-pair Cat 5E backbone cables** are designed for high-speed applications. These cables meet and exceed the Category 5E transmission characteristics including the Power Sum Near End Crosstalk (NEXT) requirements of ANSI/TIA/EIA-568-B.2 Standard for Commercial Building Telecommunications Wiring.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| IBDN Plus Cat5E, Riser, 25-pair, 24 AWG, CMR, Cat 5e, Gray, 305 m (1000 ft.), 21N Spool  | 24576125        |
| IBDN Plus Cat5E, Plenum, 25-pair, 24 AWG, CMP, Cat 5e, Gray, 305 m (1000 ft.), 21N Spool | 24577125        |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## IBDN Plus 25-pair Cable Series Category 5



24572260 IBDN Plus 25-pair Cat5 Cable

### IBDN Plus 25-pair Cat5 Cable

Available in plenum and non-plenum versions, **IBDN Plus 25-pair cable series** are Category 5 backbone cables designed for high-speed applications. These cables meet and exceed the Category 5 transmission characteristics including the Power Sum Near End Crosstalk (NEXT) requirements of ANSI/TIA/EIA-568-B Standard for Commercial Building Telecommunications Wiring.

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| IBDN PLUS RISER CAT5                                      |                 |
| 25-pair, 24 AWG, CMR, Blue, 305 m (1000 ft.), Spool (21N) | 24572238        |
| 25-pair, 24 AWG, CMR, Blue, 150 m, 16N Spool              | 24572250        |
| 25-pair, 24 AWG, CMR, Blue, 500 ft., 16N Spool            | 24572260        |
| IBDN PLUS PLENUM CAT5                                     |                 |
| 25-pair, 24 AWG, CMP, Gray, 100 m, 18N Spool              | 24572351        |
| 25-pair, 24 AWG, CMP, Gray, 300 m, 21N Spool              | 24572352        |
| 25-pair, 24 AWG, CMP, Gray, 1000 ft., 21N Spool           | 24572353        |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## D-Series Multi-pair Category 3

### D-Series Multi-pair Category 3

**D-Series** are multi-pair plenum and riser rated backbone cables that meet and exceed ANSI/TIA/EIA-568-A and CSA T529-95 specifications for Category 3 transmission characteristics.



24501848 D-Series Cable, Category 3

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| D-INSIDE RISER, MULTI-PAIR, 24 AWG, CMR, CATEGORY 3 |                 |
| 6-pair, Olive Gray, 305 m (1000 ft.), Spool         | 24501829        |
| 12-pair, Olive Gray, 305 m (1000 ft.), Spool        | 24501837        |
| 16-pair, Olive Gray, 300 m, Spool                   | 24501848        |
| 25-pair, Olive Gray, 305 m (1000 ft.), Spool        | 24501858        |
| 50-pair, Olive Gray, 305 m (1000 ft.), Spool        | 24501877        |
| 75-pair, Olive Gray, 635 m, Reel                    | 24501887        |
| 100-pair, Olive Gray, 480 m (1575 ft.), Reel        | 24501897        |
| 200-pair, Olive Gray, 275 m (900 ft.), Reel         | 24501906        |
| D-PLENUM, MULTI-PAIR, 24 AWG, CMP, CAT 3            |                 |
| 25-pair, Translucent, 305 m (1000 ft.), Spool       | 24571221        |
| 50-pair, Gray, Variable Length, Reel                | 24571235        |
| 100-pair, Gray, Variable Length, Reel               | 24571250        |
| 200-pair, Gray, Variable Length, Reel               | 24571265        |
| 300-pair, Gray, Variable Length, Reel               | 24571266        |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

## Data Grade Riser (DGR) 25-pair Category 5

### Data Grade Riser – Armored

**Data Grade Riser 25-pair** is a Category 5, multi-pair, backbone cable designed for high-speed applications. This Cable meets and exceeds the Category 5 transmission characteristics, including the PowerSum Near End Crosstalk (NEXT) requirements from ANSI/TIA/EIA-568-A (CSA T529-95) Standard for Commercial Building Telecommunications Wiring.



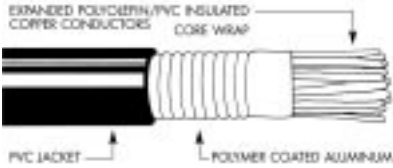
25500027 Data Grade Riser Cable, Category 5

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| Data Grade Riser – Armored, CMR, Cat 5, 25-pair, Gray, 2500 m (8200 ft.), 60W Reel        | 25500027        |
| Data Grade Riser – Armored, CMR, Cat 5, 25-pair, Gray, Cut Length (m / ft.), 42W-60W Reel | 25500028        |

# Copper Media

Backbone Indoor Cable (Multi-Pair)

## Riser Series Category 3 (ARMM/ATMM)



Riser Series Cable, Category 3

## Riser Cable – Armored (ARMM/ATMM)

**Riser Cable** is a rugged Multi-pair cable series that meets and exceeds ANSI/TIA/EIA-568-A and CSA T529-95 specifications for Category 3 transmission characteristics.

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-25, Gray, 25-pair     | 22713010        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-50, Gray, 50-pair     | 22713020        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-100, Gray, 100-pair   | 22713030        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-150, Gray, 150-pair   | 22713035        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-200, Gray, 200-pair   | 22713040        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-250, Gray, 250-pair   | 22713045        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-300, Gray, 300-pair   | 22713050        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-400, Gray, 400-pair   | 22713060        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-600, Gray, 600-pair   | 22713070        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-900, Gray, 900-pair   | 22713080        |
| Riser Cable – Armored, 24 AWG, UL/CSA, CMR, ARMM/ATMM-1200, Gray, 1200-pair | 22713090        |

Alternative colors, lengths and packaging are available, please contact Customer Service for more details.

Category 5e, IDC 4-pair Protector

### IDC 4-pair Protector Module

The **IDC 4-pair Protector Module** is a high-performance Category 5e, solid-state protection for Local Area Networks. Protects sensitive electronic workstations, network equipment, and cables from damage caused by transient voltage surges. Provides 100% protection with easy-to-install BIX or 110 IDC termination in a convenient 4-pair module.



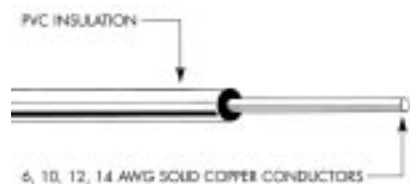
**AX100826** Cat-5e, 4-pair Protector

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| IDC Protector Module, Category 5e, 4-pair, BIX Protector, 1/pack | AX100826        |
| IDC Protector Module, Category 5e, 4-pair, 110 Protector, 1/pack | AX100827        |

# Copper Media

Bonding & Grounding

## PVCI Ground Wires



PVCI Ground Wire

### PVCI Ground Wire

**PVCI Ground Wire** consists of 6, 10, 12 and 14 AWG Solid annealed copper conductors individually insulated with polyvinyl chloride compound.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| PVCI Ground Wire, 6 AWG, Black, 75 m (246 ft.), Coil       | 22214348        |
| PVCI Ground Wire, 10 AWG, Black, 50 m (164 ft.), Coil      | 22214500        |
| PVCI Ground Wire, 12 AWG, Almond, 50 m (164 ft.), Coil     | 22214700        |
| PVCI Ground Wire, 14 AWG, Olive Gray, 75 m (246 ft.), Coil | 22214900        |

### Bond Clamps & Accessories

#### Bond Clamp

The **Bond Clamps** are used to attach the cable shield to the ground via Ground Wire. They are recommended for use with Riser Cables and Outside Plant Cables. The bond clamps consist of heavy plates and a securing nut with an integral spring washer. The plates are curved to conform to the contours of the cable. The upper plate has “teeth” which penetrate the polyethylene cable jacket and align with the perforations in the lower plate. The lower plate has burred perforations that penetrate into the metallic sheath of the cable.



X9905753 Bond Clamp

#### Accessories

A **Six-position Ground Bracket** is used to terminate and ground up to 5 cable sheaths. The sixth position on the bracket is used to provide the ground return to the Distribution Terminal and is not available to ground a cable.

Two **Ground Wire Clips** on each side of the ground wire are required to ground one cable.



AX100226 Six-position Ground Bracket



X9908359 6 AWG Ground Wire Clip

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| Bond Clamp, QCF1A 19 mm (0.75 in.) cable and above  | X9905753        |
| Bond Clamp, QCF2A 19 mm (0.75 in.) cable and below  | X9905754        |
| Bond Clamp Accessories, Six-position Ground Bracket | AX100226        |
| Bond Clamp Accessories, 6 AWG Ground Wire Clip      | X9908359        |

# Universal

## Cable Management Racks & Accessories

### Racks



Floor Mount Rack



Copper Vertical Cable Management Channels

### Racks

**Racks** are available in three basic variants: freestanding floor mount, Copper Rack kit & Fiber Rack kit. Vertical and horizontal cable management channels provide cable and patch cord routing space and protection.



Universal Horizontal Cable Management Channels

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| <b>COPPER RACK KIT</b>  |                 |
| Welded Rack Assembly, 44U, (one rack with two vertical & two universal horizontal channels), Black, 19 x 84 in. (7 ft.), 66 kg (145 lb)     | AX101174        |
| Knock-Down Rack Assembly, 44U, (one rack with two vertical & two universal horizontal channels), Black, 19 x 84 in. (7 ft.), 66 kg (145 lb) | AX101175        |
| <b>FIBER RACK KIT</b>   |                 |
| Knock-Down Rack Assembly, 44U, (one rack with one vertical & two universal horizontal channels), Gray, 23 x 84 in. (7 ft.), 52 Kg (113 lb)  | AX101177        |
| Knock-Down Rack Assembly, 44U, (one rack with one vertical & two universal horizontal channels), Black, 19 x 84 in. (7 ft.), 49 Kg (106 lb) | AX101176        |
| <b>FLOOR MOUNT RACK</b>   |                 |
| Welded Rack Assembly, 44U, (with two universal horizontal channels), Black, 19 x 84 in. (7 ft.), 30 kg (65 lb)                              | AX101179        |
| Knock-Down Rack Assembly, 44U, (with two universal horizontal channels), Gray, 19 x 84 in. (7 ft.), 30 kg (65 lb)                           | AX101254        |
| Knock-Down Rack Assembly, 44U, (with two universal horizontal channels), Black, 19 x 84 in. (7 ft.), 30 kg (65 lb)                          | AX101178        |
| Knock-Down Rack Assembly, 44U, (with two universal horizontal channels), Gray, 23 x 84 in. (7 ft.), 32 kg (70 lb)                           | AX100930        |
| Knock-Down Rack Assembly, 44U, (with two universal horizontal channels), Black, 23 x 84 in. (7 ft.), 32 kg (70 lb)                          | AX100931        |
| <b>COPPER VERTICAL CABLE MANAGEMENT CHANNEL</b>   |                 |
| Knock-Down Assembly, Black, 5 x 84 in.(7 ft.), 18 kg (40 lb)  | AX101180        |
| <b>FIBER VERTICAL CABLE MANAGEMENT CHANNEL</b>  |                 |
| Gray, 5 x 84 in., 16 Kg (35 lb)   | AX100932        |
| Black, 5 x 84 in., 16 Kg (35 lb)  | AX100933        |
| <b>UNIVERSAL HORIZONTAL CABLE MANAGEMENT CHANNEL</b>  |                 |
| Gray, 19 in., 3 kg (6 lb)   | AX101182        |
| Black, 19 in., 3 kg (6 lb)  | AX101181        |
| Gray, 23 in., 4 kg (8 lb)   | AX101183        |
| Black, 23 in., 4 Kg (8 lb)  | AX101184        |

### Cable Management Accessories

## Cable Management Accessories

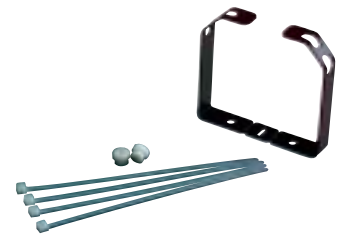
**Cable management accessories** can be used with patch panels in rack or cabinet installations for distribution cable and patch cord organization, anchoring, routing and protection. They allow easier patch cord access and simplify moves, additions and changes.



**AX100789** Cable Support Bracket



**AX100793** Horizontal Cable Management Channel, 1U



**AX100463** Rear Cable Bracket



**AX101371** Multi-Rack attachment spacer



**AX100781** Velcro Saddle



**AO644488** Organizer Panel, 1U



**AO644497** Blank Filler Panel, 1U



**AX100785** Wall Mount Bracket, 2U



**AO396695** Organizer Ring Panel, 2U



**AX101173** Cable Tie Bar



**AX100249** Organizer Tray, 3U

| DESCRIPTION   | ORDERING NUMBER | ORDERING NUMBER |
|---|-----------------|-----------------|
|   | GRAY            | BLACK           |
| Cable Support Bracket   | AX100788        | AX100789        |
| Organizer Panel, 1U   | A0644488        | A0644489        |
| Organizer Panel, 2U   | A0644490        | A0644492        |
| Organizer Ring Panel, 2U  | A0396695        | A0403977        |
| Organizer Tray, 3U  | AX100248        | AX100249        |
| Horizontal Cable Management Channel, 1U                             | AX100792        | AX100793        |
| Horizontal Cable Management Channel, 2U                             | AX100794        | AX100795        |
| Horizontal Cable Management Channel, 4U                             | AX100796        | AX100797        |
| Blank Filler Panel, 1U  | A0644497        | A0644498        |
| Blank Filler Panel, 2U  | A0644499        | A0644500        |
| Cable Tie Bar   |                 | AX101173        |
| Rear Cable Bracket  | AX100462        | AX100463        |
| Velcro Saddle, (25 per pack)  |                 | AX100781        |
| Velcro Saddle, Velcro Roll, 203 mm (8 in.) long ties (25 per roll)  |                 | AX100783        |
| Velcro Saddle, Velcro Roll, 305 mm (12 in.) long ties (25 per roll) |                 | AX100784        |
| Multi-Rack attachment (spacer) Kit                                  |                 | AX101371        |
| Wall Mount Bracket, 2U  |                 | AX100785        |
| Wall Mount Bracket, 4U  |                 | AX100786        |
| Wall Mount Bracket, 6U  |                 | AX100787        |

### IntelliMAC-Plus PS6+ Patch Panels



**AX102131** IntelliMAC-Plus PS6+ Patch Panel, 1U, 24P, Black

### IntelliMAC-Plus PS6+ Patch Panel

The **IntelliMAC-Plus PS6+ Patch Panel** is a factory assembled patch panel, equipped with an additional 26 AWG monitoring wire at the center of the cable that allows transmission of patching information between the IntelliMAC-Plus PS6+ Patch Panel and the other components of the IntelliMAC-Plus system. The PS6+ Patch Panel meets all the requirements of the Category 6 standard.

The IntelliMAC-Plus Patch Panel is designed to be used as part of the Belden IBDN System 2400 and the Belden IBDN System 4800LX.

| DESCRIPTION                                      | ORDERING NUMBER |
|--|-----------------|
| IntelliMAC-Plus PS6+ Patch Panel, 1U, 24P, Black | AX102131        |
| IntelliMAC-Plus PS6+ Patch Panel, 2U, 48P, Black | AX102132        |

### IntelliMAC-Plus PS6+ Modular Cords



**AX102135** IntelliMAC-Plus PS6+ Modular Cord, 1.2 m (4 ft.)

### IntelliMAC-Plus PS6+ Modular Cord

The **IntelliMAC-Plus PS6+ Modular Cords** are 4-pair UTP modular cords, equipped with an additional 26 AWG monitoring wire at the center of the cable that allow transmission of patching information between the IntelliMAC-Plus PS6+ Modular Cords and the other components of the IntelliMAC-Plus system. These cords meet all requirements of the TIA/EIA-568-B.2-1 Category 6 standard.

The IntelliMAC-Plus PS6+ Modular Cords are used within the Belden IBDN System 2400 and the Belden IBDN System 4800LX.

The Modular Cords are available in blue.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| IntelliMAC-Plus PS6+ Modular Cord, Blue, 1.2 m (4 ft)  | AX102135        |
| IntelliMAC-Plus PS6+ Modular Cord, Blue, 2.1 m (7 ft)  | AX102136        |
| IntelliMAC-Plus PS6+ Modular Cord, Blue, 3.0 m (10 ft) | AX102137        |
| IntelliMAC-Plus PS6+ Modular Cord, Blue, 4.6 m (15 ft) | AX102138        |
| IntelliMAC-Plus PS6+ Modular Cord, Blue, 7.6 m (25 ft) | AX102139        |

For additional information regarding the design or implementation of a complete IntelliMAC-Plus solution, including active components and software, please contact the Technical Support group at **1-800-858-7954**.

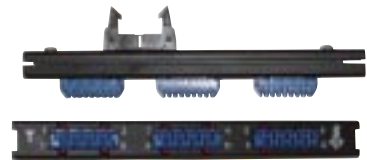
### IntelliMAC-Plus GigaBIX Products

## IntelliMAC-Plus GigaBIX Strip Kit

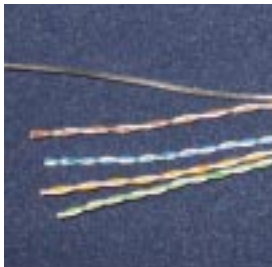
The **IntelliMAC-Plus GigaBIX Strip** is an interface which allows any GigaBIX or BIX Cross-Connect Wire installation to be monitored by the Belden IBDN IntelliMAC-Plus solution. The IntelliMAC-Plus GigaBIX Strip must be used with IntelliMAC-Plus Cross-Connect Wire (24577B16).

The IntelliMAC-Plus GigaBIX Strip receives patching information from the IntelliMAC-Plus system. Light Electroluminescent Diode (LED) lights on the strip, guide the technician when performing Moves, Adds and Changes (MACs).

The IntelliMAC-Plus GigaBIX Strip Kit includes two IntelliMAC-Plus GigaBIX Strips, to monitor 24 ports.



**AX102087** IntelliMAC-Plus GigaBIX Strip Kit



## IntelliMAC-Plus Cross-Connect Wire

The **IntelliMAC-Plus Cross-Connect Wire** is intended for use between the GigaBIX or BIX cross-connect fields in a Telecommunications Room that is to be controlled by an IntelliMAC-Plus solution.

The IntelliMAC-Plus Cross-Connect Wire has an additional monitoring wire that connects to the IntelliMAC-Plus GigaBIX Strip (AX102087).

Using IntelliMAC-Plus Cross-Connect Wire allows for very flexible and cost-effective installations.

The IntelliMAC-Plus Cross-Connect Wire offers transmission performance that goes way beyond Category 6 when installed as part of a Belden IBDN 4800LX System, providing additional margin to support gigabit applications.

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| INTELLIMAC-PLUS GIGABIX STRIP<br><b>Kit, 2 x 12 ports</b>                          | AX102087        |
| INTELLIMAC-PLUS CROSS-CONNECT WIRE<br><b>4-pair, Spool in Box, 305 m (1000 ft)</b> | 24577B16        |



For additional information regarding the design or implementation of a complete IntelliMAC-Plus solution, including active components and software, please contact the Technical Support group at **1-800-858-7954**.



### Optimax Field Installable Connectors



**AX101982** Optimax LC Connector

### Optimax Field Installable Connector

**The Optimax Connectors** are reliable field installable optical fiber connectors that are easy to install. They do not require epoxy, curing or polishing. Their unique design incorporates a factory polished fiber stub in a splice mechanism which provides a fast, secure, and reliable termination on optical fiber cables. All critical steps are performed in the factory, ensuring a superior-quality connection every time. Only simple tools are required for installation, making Optimax a cost effective field termination.

Optimax Connectors are high-quality LC, SC and ST Compatible connectors that use a ceramic ferrule with a physical contact (PC) polish for MM and super physical contact (SPC) polish for SM that ensures the best possible mating of optical fibers. Connectors are available for 62.5 or 50/125  $\mu\text{m}$  Multimode fiber and Singlemode fiber installations.



**AX100029 with AX101794** Optimax SC Connector



**A0408835 with AX101793** Optimax ST Compatible Connector

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| OPTIMAX FIELD INSTALLABLE CONNECTOR   |                 |
| LC 62.5 $\mu\text{m}$ , Multimode, for 900 $\mu\text{m}$ buffered fiber only              | AX101981        |
| LC 50 $\mu\text{m}$ , Multimode, for 900 $\mu\text{m}$ buffered fiber only                | AX101982        |
| LC, Singlemode, for 900 $\mu\text{m}$ buffered fiber only                                 | AX101983        |
| SC 62.5 $\mu\text{m}$ , Multimode, for 900 $\mu\text{m}$ buffered fiber only              | AX100029        |
| SC 50 $\mu\text{m}$ , Multimode, for 900 $\mu\text{m}$ buffered fiber only                | AX101077        |
| SC, Singlemode, for 900 $\mu\text{m}$ buffered fiber only                                 | AX101792        |
| ST Compatible 62.5 $\mu\text{m}$ , Multimode, for 900 $\mu\text{m}$ buffered fiber only   | A0408835        |
| ST Compatible 50 $\mu\text{m}$ , Multimode, for 900 $\mu\text{m}$ buffered fiber only     | AX101075        |
| ST Compatible, Singlemode, for 900 $\mu\text{m}$ buffered fiber only                      | AX101791        |
| LC Accessory Kit for jacketed fiber, contains a 2 mm boot and a crimp sleeve              | AX101984        |
| SC Accessory Kit for jacketed fiber, contains 3 mm boot, crimp sleeves and a cord adapter | AX101794        |
| ST Accessory Kit for jacketed fiber, contains 3 mm boot, crimp sleeves                    | AX101793        |

### Optimax Tool Kits

## Optimax Tool Kit

The **Optimax Tool Kit** is packaged in a small convenient carrying case and includes an LC, SC and ST compatible installation and training video (CD), installation instructions and all the tools required to terminate 900  $\mu\text{m}$  buffered optical fiber and jacketed optical fiber.

The Optimax installation kit has all the tools and supplies required to install the Optimax LC, SC or ST Compatible Multimode and Singlemode connectors. Certain tool kit items can be purchased separately to accommodate installers already possessing basic optical fiber installation tools.



**AX100947** Optimax Tool Kit

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| OPTIMAX TOOL KIT   |                 |
| <b>LC/SC/ST Compatible (includes installation tools, fiber cleaver, crimping tool, instruction manual, microscope, tweezers, alcohol wipes, marker, scissors, waste bottle, fiber stripper, cable stripper and Training Video)</b> | AX100947        |
| <b>Optimax Tool Kit, Basic (excludes fiber stripper &amp; cleaver)</b>   | AX100949        |
| <b>Optimax LC Tool Kit Upgrade (includes LC installation tool, instructions manual, foam for the case)</b>   | AX102061        |
| OPTIMAX INDIVIDUAL COMPONENTS  |                 |
| <b>Fiber Cleaver</b>   | A0408829        |
| <b>Installation Tool LC (does not include tool-clamp)</b>  | AX102062        |
| <b>Installation Tools ST Compatible and SC (includes tool-clamp)</b>   | A0403634        |
| <b>Microscope</b>  | AX100910        |
| <b>Refurbishing Materials (includes 80 alcohol wipes and a black felt tip marker)</b>  | AX100951        |
| <b>Installation Instruction Manual, LC</b>   | AX102063        |
| <b>Installation Instruction Manual, SC</b>   | PX101318        |
| <b>Installation Instruction Manual, ST Compatible</b>  | PX101317        |
| <b>Installation &amp; Training Video, CD (see literature ordering form on the web)</b>   | NOT0580         |
| <b>Crimp Tool complete with die</b>  | A0403641        |

### Epoxy Field Installable Connectors

## Epoxy Field Installable Connector

**Epoxy Field Installable Connectors** are available as Multimode and Singlemode ST Compatible and SC field installable connectors. They require heat-cured epoxy and polishing.

Both types have a ceramic ferrule. Each connector comes complete with all the parts necessary for termination of tight buffered fibers as well as jacketed fibers. Parts include crimp sleeves, boots, cord adapter and dust cap.



**A0390851** Optical Fiber Field Installable Epoxy Connector, ST Compatible

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| <b>Epoxy Field Installable Connector, Multimode, ST Compatible</b>  | A0390851        |
| <b>Epoxy Field Installable Connector, Multimode, SC Simplex</b>     | AX100919        |
| <b>Epoxy Field Installable Connector, Multimode, SC Duplex</b>      | AX100929        |
| <b>Epoxy Field Installable Connector, Singlemode, ST Compatible</b> | AX101412        |
| <b>Epoxy Field Installable Connector, Singlemode, SC Simplex</b>    | AX101411        |

# Fiber Media

FiberExpress  
Pre-Connectorized Assemblies



## Fiber Patch Cords



### Fiber Patch Cords

**FiberExpress Duplex Patch Cord Assemblies** are of the highest quality available. They are assembled and 100% optically tested in our factory prior to shipment. All patch cords are built with high-quality connectors and cables which guarantees superior performance and excellent reliability.

**AX200057** Patch Cord Multimode SC Duplex (568SC)

| DESCRIPTION                              | ORDERING NUMBER              | ORDERING NUMBER            | ORDERING NUMBER             | ORDERING NUMBER   |
|--|------------------------------|----------------------------|-----------------------------|-------------------|
| DUPLEX PATCH CORD                        | MULTIMODE,<br>FX300, 62.5 μm | MULTIMODE,<br>FX600, 50 μm | MULTIMODE,<br>FX2000, 50 μm | SINGLEMODE<br>SPC |
| <b>ST-ST, 2 m (6 ft.)</b>                | 70102419                     | AX200341                   | AX200799                    | AX200090          |
| <b>ST-ST, 3 m (10 ft.)</b>               | 70102420                     | AX200459                   | AX200795                    | AX200091          |
| <b>ST-ST, 5 m (16 ft.)</b>               | 70102447                     | AX200413                   | AX200800                    | AX200092          |
| <b>568SC-568SC, 2 m (6 ft.)</b>          | AX200056                     | AX200084                   | AX200603                    | AX200094          |
| <b>568SC-568SC, 3 m (10 ft.)</b>         | AX200057                     | AX200082                   | AX200589                    | AX200095          |
| <b>568SC-568SC, 5 m (16 ft.)</b>         | AX200058                     | AX200280                   | AX200624                    | AX200096          |
| <b>LC duplex-LC duplex, 2 m (6 ft.)</b>  | AX200517                     | AX200527                   | AX200664                    | AX200507          |
| <b>LC duplex-LC duplex, 3 m (10 ft.)</b> | AX200518                     | AX200528                   | AX200665                    | AX200508          |
| <b>LC duplex-LC duplex, 5 m (16 ft.)</b> | AX200519                     | AX200529                   | AX200666                    | AX200509          |
| <b>MTRJ-MTRJ, 2 m (6 ft.)</b>            | AX101122                     | AX101139                   | AX200801                    | AX101157          |
| <b>MTRJ-MTRJ, 3 m (10 ft.)</b>           | AX101123                     | AX101138                   | AX200802                    | AX101156          |
| <b>MTRJ-MTRJ, 5 m (16 ft.)</b>           | AX101125                     | AX101137                   | AX200803                    | AX101155          |
| HYBRID PATCH CORD                        | MULTIMODE,<br>FX300, 62.5 μm | MULTIMODE,<br>FX600, 50 μm | MULTIMODE,<br>FX2000, 50 μm | SINGLEMODE<br>SPC |
| <b>568SC-ST, 3 m (10 ft.)</b>            | AX200060                     | AX200196                   | AX200900                    | AX200421          |
| <b>LC duplex-ST, 3 m (10 ft.)</b>        | AX200699                     | AX200695                   | AX200809                    | AX200698          |
| <b>LC duplex-568SC, 3 m (10 ft.)</b>     | AX200580                     | AX200581                   | AX200668                    | AX200667          |
| <b>MTRJ-ST, 3 m (10 ft.)</b>             | AX101133                     | AX101151                   | AX200810                    | AX101166          |
| <b>MTRJ-568SC, 3 m (10 ft.)</b>          | AX101128                     | AX101143                   | AX200797                    | AX101161          |
| SINGLE-ENDED (PIGTAILS)                  | MULTIMODE,<br>FX300, 62.5 μm | MULTIMODE,<br>FX600, 50 μm | MULTIMODE,<br>FX2000, 50 μm | SINGLEMODE<br>SPC |
| <b>ST-open, 2 m (6 ft.)</b>              | 70100390                     | AX200458                   | AX200811                    | AX200097          |
| <b>SC-open, 2 m (6 ft.)</b>              | 70101714                     | AX200192                   | AX200653                    | AX200098          |
| <b>LC-open, 2 m (6 ft.)</b>              | AX200657                     | AX200658                   | AX200660                    | AX200659          |
| <b>MTRJ(m)-open, 3 m (10 ft.)</b>        | AX101366                     | AX101367                   | AX200812                    | AX101368          |

Also available as Simplex Patch Cords or custom assemblies, please contact Customer Service for more details.

## MPO Cable Assemblies

### MPO Cable Assembly

**MPO Cable Assemblies** are multi-fiber cables using single MPO connectors 6, 8 and 12-fiber that are used to interconnect pre-terminated devices such as FiberExpress Pre-terminated Modules and FiberExpress Bars. Depending on the application, MPO Cable Assemblies (FOMC) can use Ribbon Cables, or Loose Tube cables. MPO cables are available in lengths of up to 500 meters with a pulling-eye for ease of deployment.



AX250105 MPO Cable Assembly

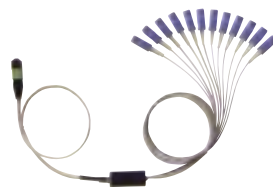
| DESCRIPTION  | ORDERING NUMBER           | ORDERING NUMBER         | ORDERING NUMBER          | ORDERING NUMBER |
|--|---------------------------|-------------------------|--------------------------|-----------------|
| MPO CABLE ASSEMBLY, FOMC, MPO(F)-MPO(F), 1 PULLING EYE, OFNP | MULTIMODE, FX300, 62.5 μm | MULTIMODE, FX600, 50 μm | MULTIMODE, FX2000, 50 μm | SINGLEMODE      |
| <b>12 fibers, 10 m (33 ft.)</b>                              | AX250021                  | AX250345                | AX250457                 | AX250224        |
| <b>12 fibers, 20 m (66 ft.)</b>                              | AX250105                  | AX250376                | AX250412                 | AX250106        |
| <b>12 fibers, 50 m (164 ft.)</b>                             | AX250349                  | AX250065                | AX250387                 | AX250071        |
| <b>12 fibers, 75 m (246 ft.)</b>                             | AX250060                  | AX250066                | AX250413                 | AX250072        |
| <b>12 fibers, 100 m (328 ft.)</b>                            | AX250061                  | AX250067                | AX250458                 | AX250073        |

Also available in 6 or 8-fiber MPO Cable Assemblies, please contact Customer Service for more details.

## Multi-fiber Cable Assemblies

### Multi-fiber Cable Assembly

**Multi-fiber Cable Assemblies (FOCA)** are factory-terminated fiber cables of various constructions (distribution, breakout or ribbon) using simplex, duplex or multi-fiber connectors. They are available in configurations from 2-fiber up to 144-fiber with various kinds of fan-out constructions, lengths and geometry to suit virtually any application.



900 μm Fan-out Assembly



Multi-fiber Cable Assembly

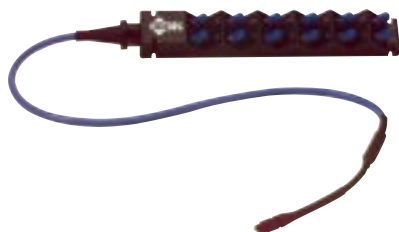
| DESCRIPTION                       | PRODUCT CODE                  | PRODUCT CODE                  |
|-----------------------------------|-------------------------------|-------------------------------|
| MULTI-FIBER CABLE ASSEMBLY        | MULTIMODE, FX300, 62.5 μm     | MULTIMODE, FX600, 50 μm       |
| <b>MPO(m)-ST, 12 fibers</b>       | NXC-RPML-PGPNNN-STPFBN-N-01.5 | NXC-RPNL-PGPNNN-STPFBN-N-01.5 |
| <b>MPO(m)-SC, 12 fibers</b>       | NXC-RPML-PGPNNN-SCPFBN-N-01.5 | NXC-RPNL-PGPNNN-SCPFBN-N-01.5 |
| <b>MPO(m)-LC, 12 fibers</b>       | NXC-RPML-PGPNNN-LCPFBN-N-01.5 | NXC-RPNL-PGPNNN-LCPFBN-N-01.5 |
| <b>MPO(m)-MTRJ (m), 12 fibers</b> | NXC-RPML-PGPNNN-JBPFBN-N-01.5 | NXC-RPNL-PGPNNN-JBPFBN-N-01.5 |
|                                   | MULTIMODE, FX2000, 50 μm      | SINGLEMODE                    |
| <b>MPO(m)-ST, 12 fibers</b>       | NXC-RPFL-PGPNNN-STPFBN-N-01.5 | NXC-RPSL-PGPNNN-STPFBN-N-01.5 |
| <b>MPO(m)-SC, 12 fibers</b>       | NXC-RPFL-PGPNNN-SCPFBN-N-01.5 | NXC-RPSL-PGPNNN-SCPFBN-N-01.5 |
| <b>MPO(m)-LC, 12 fibers</b>       | NXC-RPFL-PGPNNN-LCPFBN-N-01.5 | NXC-RPSL-PGPNNN-LCPFBN-N-01.5 |
| <b>MPO(m)-MTRJ (m), 12 fibers</b> | NXC-RPFL-PGPNNN-JBPFBN-N-01.5 | NXC-RPSL-PGPNNN-JBPFBN-N-01.5 |

# Fiber Media

FiberExpress  
Pre-Connectorized Assemblies



## FiberExpress Bar



AX250001 FiberExpress Bar 12ST

## FiberExpress Bar

The **FiberExpress Bar** consists of a custom length fiber cable with, at one end, a factory pre-terminated rugged mini patch panel and, at the other end, a factory installed multi-fiber MPO connector. The very compact fiber patch panel contains 6 or 12 factory-terminated and tested connectors in a variety of styles. The ruggedness of the FiberExpress Bar makes it an ideal candidate for disaster recovery, industrial applications and other fiber deployment in harsh environment.

## FiberExpress Bar Accessories

The **MPO Adapter** is the sleeve that provides primary alignment and locking when connecting the 2 MPO connectors (male to female). It has a flange and a metal clip for panel mounting and it is included with each FiberExpress Bar (1 m with male connector).

The **19 in. Rack Mount Housing** is a 1U metal panel that holds 1 FiberExpress Bar. It has a live hinge on the left-hand side and swings out give access to the MPO connection and facilitate cable management and slack storage when used with the Slack Storage Tray.

The **Front Cover** is a smoked Plexiglas cover that protects the fiber cords connected to the FiberExpress Bar. It has 2 push rivets for positive locking and easy handling.

The **Slack Storage Tray** attaches to the back of the 19 in. Rack Mount Housing to facilitate cable management and slack storage. It has a storage capacity of 5 meters of 12-fiber ribbon cable.

The **Wall Mount Enclosure** can contain one FiberExpress Bar. It is made of heavy gauge steel and has a locking cover.



MX100154 FiberExpress MPO Adapter

| DESCRIPTION   | ORDERING NUMBER              | ORDERING NUMBER            | ORDERING NUMBER             | ORDERING NUMBER |
|---|------------------------------|----------------------------|-----------------------------|-----------------|
| FIBEREXPRESS BAR  | MULTIMODE,<br>FX300, 62.5 μm | MULTIMODE,<br>FX600, 50 μm | MULTIMODE,<br>FX2000, 50 μm | SINGLEMODE      |
| <b>12 ST type, MPO (m), 1 m</b>   | AX250001                     | AX250052                   | AX250459                    | AX250009        |
| <b>6 SC duplex (12 fibers), MPO (m), 1 m</b>  | AX250005                     | AX250054                   | AX250460                    | AX250011        |
| <b>6 MT-RJ (12 fibers), MPO (m), 1 m</b>  | AX250178                     | AX250179                   | AX250461                    | AX250180        |
| <b>12 LC, MPO (m), 1 m</b>  | AX250539                     | AX250540                   | AX250541                    | AX250542        |
| FIBEREXPRESS BAR ACCESSORIES  |                              |                            |                             |                 |
| <b>MPO Adapter (6 or 12 fibers) included with each FiberExpress Bar (1 m - Male)</b>            |                              |                            |                             | MX100154        |
| <b>19 in. Rack Mount Housing for FiberExpress Bar, Gray</b>                                     |                              |                            |                             | AX100331        |
| <b>19 in. Rack Mount Housing for FiberExpress Bar, Black</b>                                    |                              |                            |                             | AX100330        |
| <b>Front Cover for FiberExpress rack mount housing</b>  |                              |                            |                             | AX100332        |
| <b>Slack Storage Tray for FiberExpress Bar, (capacity: 5 meters) including top cover, Gray</b>  |                              |                            |                             | AX100329        |
| <b>Slack Storage Tray for FiberExpress Bar, (capacity: 5 meters) including top cover, Black</b> |                              |                            |                             | AX100328        |
| <b>Wall Mount Enclosure, can contain one bar, Black</b>   |                              |                            |                             | AC200004        |

Also available for 6-fibers, please contact Customer Service for more details.

## Secure/Keyed LC System

The **FiberExpress Secure/Keyed LC System** allows for physical segregation of network segments in secure fiber cabling infrastructures. All Secure/Keyed LC products are available with 6 different keying options, each carrying a different color to facilitate network administration. The keying detail inside the connector is totally tamper-proof and cannot be re-produced inside a standard LC connector to violate the network security. All products comply with the FOCIS 10 standard and optical performance exceeds all industry standards for SFF connectors.

The **Optimax Secure/Keyed LC field installable connectors** are available in Multimode 50  $\mu\text{m}$  laser-optimized and 62.5  $\mu\text{m}$  fiber versions. They are high-quality connectors that use a ceramic ferrule with a physical contact (PC) polish for Multimode connectors.

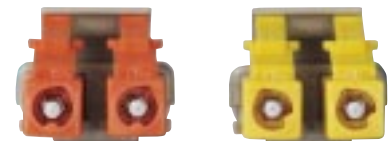
The **Secure/Keyed LC Patch Cords and adapters** are offered in Multimode 62.5  $\mu\text{m}$  (FX300), 50/125  $\mu\text{m}$  (FX600) and laser-optimized 50/125  $\mu\text{m}$  (FX2000) for the most demanding network performance.

The **Secure/Keyed LC Adapter Modules and Adapter Strips** can be used in all mounting hardware for workstation area, Consolidation Point or Telecom Room applications.

The **Secure/Keyed LC FiberExpress Manager Modules** can be used in 19 and 23 inch FiberExpress Manager Shelves to provide a high-density management system of up to 1920 terminated fibers per rack.



AX102197 Secure/Keyed LC Optimax



Secure/Keyed LC System

| DESCRIPTION  | ORDERING NUMBER                 | ORDERING NUMBER               | ORDERING NUMBER |
|--|---------------------------------|-------------------------------|-----------------|
| SECURE/KEYED LC OPTIMAX FOR<br>900 $\mu\text{m}$ BUFFERED FIBER ONLY | MULTIMODE<br>62.5 $\mu\text{m}$ | MULTIMODE<br>50 $\mu\text{m}$ |                 |
| <b>K1, Red, NEW</b>  | AX102203                        | AX102197                      |                 |
| <b>K2, Green, NEW</b>  | AX102204                        | AX102198                      |                 |
| <b>K3, Yellow, NEW</b>   | AX102205                        | AX102199                      |                 |
| <b>K4, Black, NEW</b>  | AX102206                        | AX102200                      |                 |
| <b>K5, Orange, NEW</b>   | AX102207                        | AX102201                      |                 |
| <b>K6, Blue, NEW</b>   | AX102208                        | AX102202                      |                 |

| DESCRIPTION                                    | ORDERING NUMBER                       | ORDERING NUMBER                     | ORDERING NUMBER                      |
|--|---------------------------------------|-------------------------------------|--------------------------------------|
| SECURE/KEYED LC DUPLEX<br>PATCH CORD KEYX-KEYX | MULTIMODE FX300<br>62.5 $\mu\text{m}$ | MULTIMODE FX600<br>50 $\mu\text{m}$ | MULTIMODE FX2000<br>50 $\mu\text{m}$ |
| <b>K1, Red, 2 m (6 ft.), NEW</b>               | AX201365                              | AX201383                            | AX201401                             |
| <b>K1, Red, 3 m (10 ft.), NEW</b>              | AX201371                              | AX201389                            | AX201407                             |
| <b>K1, Red, 5 m (16 ft.), NEW</b>              | AX201377                              | AX201395                            | AX201413                             |
| <b>K2, Green, 2 m (6 ft.), NEW</b>             | AX201366                              | AX201384                            | AX201402                             |
| <b>K2, Green, 3 m (10 ft.), NEW</b>            | AX201372                              | AX201390                            | AX201408                             |
| <b>K2, Green, 5 m (16 ft.), NEW</b>            | AX201378                              | AX201396                            | AX201414                             |
| <b>K3, Yellow, 2 m (6 ft.), NEW</b>            | AX201367                              | AX201385                            | AX201403                             |
| <b>K3, Yellow, 3 m (10 ft.), NEW</b>           | AX201373                              | AX201391                            | AX201409                             |
| <b>K3, Yellow, 5 m (16 ft.), NEW</b>           | AX201379                              | AX201397                            | AX201415                             |
| <b>K4, Black, 2 m (6 ft.), NEW</b>             | AX201368                              | AX201386                            | AX201404                             |
| <b>K4, Black, 3 m (10 ft.), NEW</b>            | AX201374                              | AX201392                            | AX201410                             |
| <b>K4, Black, 5 m (16 ft.), NEW</b>            | AX201380                              | AX201398                            | AX201416                             |
| <b>K5, Orange, 2 m (6 ft.), NEW</b>            | AX201369                              | AX201387                            | AX201405                             |
| <b>K5, Orange, 3 m (10 ft.), NEW</b>           | AX201375                              | AX201393                            | AX201411                             |
| <b>K5, Orange, 5 m (16 ft.), NEW</b>           | AX201381                              | AX201399                            | AX201417                             |
| <b>K6, Blue, 2 m (6 ft.), NEW</b>              | AX201370                              | AX201388                            | AX201406                             |
| <b>K6, Blue, 3 m (10 ft.), NEW</b>             | AX201376                              | AX201394                            | AX201412                             |
| <b>K6, Blue, 5 m (16 ft.), NEW</b>             | AX201382                              | AX201400                            | AX201418                             |

# Fiber Media

FiberExpress Secure/Keyed LC System



## FiberExpress Secure/Keyed LC System

| DESCRIPTION  | ORDERING NUMBER            | ORDERING NUMBER          | ORDERING NUMBER           |
|--|----------------------------|--------------------------|---------------------------|
| SECURE/KEYED LC DUPLEX<br>PATCH CORD, HYBRID, KEYX-LCD | MULTIMODE FX300<br>62.5 μm | MULTIMODE FX600<br>50 μm | MULTIMODE FX2000<br>50 μm |
| <b>K1, Red, 2 m (6 ft.), NEW</b>                       | AX201419                   | AX201437                 | AX201455                  |
| <b>K1, Red, 3 m (10 ft.), NEW</b>                      | AX201425                   | AX201443                 | AX201461                  |
| <b>K1, Red, 5 m (16 ft.), NEW</b>                      | AX201431                   | AX201449                 | AX201467                  |
| <b>K2, Green, 2 m (6 ft.), NEW</b>                     | AX201420                   | AX201438                 | AX201456                  |
| <b>K2, Green, 3 m (10 ft.), NEW</b>                    | AX201426                   | AX201444                 | AX201462                  |
| <b>K2, Green, 5 m (16 ft.), NEW</b>                    | AX201432                   | AX201450                 | AX201468                  |
| <b>K3, Yellow, 2 m (6 ft.), NEW</b>                    | AX201421                   | AX201439                 | AX201457                  |
| <b>K3, Yellow, 3 m (10 ft.), NEW</b>                   | AX201427                   | AX201445                 | AX201463                  |
| <b>K3, Yellow, 5 m (16 ft.), NEW</b>                   | AX201433                   | AX201451                 | AX201469                  |
| <b>K4, Black, 2 m (6 ft.), NEW</b>                     | AX201422                   | AX201440                 | AX201458                  |
| <b>K4, Black, 3 m (10 ft.), NEW</b>                    | AX201428                   | AX201446                 | AX201464                  |
| <b>K4, Black, 5 m (16 ft.), NEW</b>                    | AX201434                   | AX201452                 | AX201470                  |
| <b>K5, Orange, 2 m (6 ft.), NEW</b>                    | AX201423                   | AX201441                 | AX201459                  |
| <b>K5, Orange, 3 m (10 ft.), NEW</b>                   | AX201429                   | AX201447                 | AX201465                  |
| <b>K5, Orange, 5 m (16 ft.), NEW</b>                   | AX201435                   | AX201453                 | AX201471                  |
| <b>K6, Blue, 2 m (6 ft.), NEW</b>                      | AX201424                   | AX201442                 | AX201460                  |
| <b>K6, Blue, 3 m (10 ft.), NEW</b>                     | AX201430                   | AX201448                 | AX201466                  |
| <b>K6, Blue, 5 m (16 ft.), NEW</b>                     | AX201436                   | AX201454                 | AX201472                  |
| SECURE/KEYED LC DUPLEX<br>PATCH CORD, HYBRID, KEYX-SCD | MULTIMODE FX300<br>62.5 μm | MULTIMODE FX600<br>50 μm | MULTIMODE FX2000<br>50 μm |
| <b>K1, Red, 2 m (6 ft.), NEW</b>                       | AX201473                   | AX201491                 | AX201509                  |
| <b>K1, Red, 3 m (10 ft.) NEW</b>                       | AX201479                   | AX201497                 | AX201515                  |
| <b>K1, Red, 5 m (16 ft.), NEW</b>                      | AX201485                   | AX201503                 | AX201521                  |
| <b>K2, Green, 2 m (6 ft.) NEW</b>                      | AX201474                   | AX201492                 | AX201510                  |
| <b>K2, Green, 3 m (10 ft.), NEW</b>                    | AX201480                   | AX201498                 | AX201516                  |
| <b>K2, Green, 5 m (16 ft.), NEW</b>                    | AX201486                   | AX201504                 | AX201522                  |
| <b>K3, Yellow, 2 m (6 ft.), NEW</b>                    | AX201475                   | AX201493                 | AX201511                  |
| <b>K3, Yellow, 3 m (10 ft.), NEW</b>                   | AX201481                   | AX201499                 | AX201517                  |
| <b>K3, Yellow, 5 m (16 ft.), NEW</b>                   | AX201487                   | AX201505                 | AX201523                  |
| <b>K4, Black, 2 m (6 ft.), NEW</b>                     | AX201476                   | AX201494                 | AX201512                  |
| <b>K4, Black, 3 m (10 ft.), NEW</b>                    | AX201482                   | AX201500                 | AX201518                  |
| <b>K4, Black, 5 m (16 ft.), NEW</b>                    | AX201488                   | AX201506                 | AX201524                  |
| <b>K5, Orange, 2 m (6 ft.), NEW</b>                    | AX201477                   | AX201495                 | AX201513                  |
| <b>K5, Orange, 3 m (10 ft.), NEW</b>                   | AX201483                   | AX201501                 | AX201519                  |
| <b>K5, Orange, 5 m (16 ft.), NEW</b>                   | AX201489                   | AX201507                 | AX201525                  |
| <b>K6, Blue, 2 m (6 ft.), NEW</b>                      | AX201478                   | AX201496                 | AX201514                  |
| <b>K6, Blue, 3 m (10 ft.), NEW</b>                     | AX201484                   | AX201502                 | AX201520                  |
| <b>K6, Blue, 5 m (16 ft.), NEW</b>                     | AX201490                   | AX201508                 | AX201526                  |
| SECURE/KEYED LC DUPLEX<br>PIGTAIL, KEYX-OPEN           | MULTIMODE FX300<br>62.5 μm | MULTIMODE FX600<br>50 μm | MULTIMODE FX2000<br>50 μm |
| <b>K1, Red, 2 m (6 ft.), NEW</b>                       | AX201527                   | AX201533                 | AX201539                  |
| <b>K2, Green, 2 m (6 ft.), NEW</b>                     | AX201528                   | AX201534                 | AX201540                  |
| <b>K3, Yellow, 2 m (6 ft.), NEW</b>                    | AX201529                   | AX201535                 | AX201541                  |
| <b>K4, Black, 2 m (6 ft.), NEW</b>                     | AX201530                   | AX201536                 | AX201542                  |
| <b>K5, Orange, 2 m (6 ft.), NEW</b>                    | AX201531                   | AX201537                 | AX201543                  |
| <b>K6, Blue, 2 m (6 ft.), NEW</b>                      | AX201532                   | AX201538                 | AX201544                  |

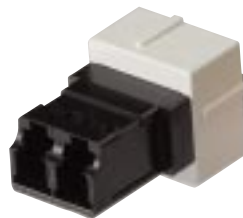
# Fiber Media

FiberExpress Secure/Keyed LC System

## FiberExpress Secure/Keyed LC System



**AX102124** Secure/Keyed LC Adapter Strip



**AX102098** Secure/Keyed LC Adapter Module



**AX102114** Secure/Keyed LC FiberExpress Manager Module

| DESCRIPTION                    | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|
| SECURE/KEYED LC ADAPTER MODULE | GRAY HOLDER     | ALMOND HOLDER   | WHITE HOLDER    | BLACK HOLDER    |
| <b>Key1, Red, NEW</b>          | AX102089        | AX102095        | AX102101        | AX102107        |
| <b>Key2, Green, NEW</b>        | AX102090        | AX102096        | AX102102        | AX102108        |
| <b>Key3, Yellow, NEW</b>       | AX102091        | AX102097        | AX102103        | AX102109        |
| <b>Key4, Black, NEW</b>        | AX102092        | AX102098        | AX102104        | AX102110        |
| <b>Key5, Orange, NEW</b>       | AX102093        | AX102099        | AX102105        | AX102111        |
| <b>Key6, Blue, NEW</b>         | AX102094        | AX102100        | AX102106        | AX102112        |

| DESCRIPTION                                | ORDERING NUMBER |
|--|-----------------|
| SECURE/KEYED LC FIBEREXPRESS ADAPTER STRIP |                 |
| <b>Key1, Red, 12 fibers, NEW</b>           | AX102119        |
| <b>Key2, Green, 12 fibers, NEW</b>         | AX102120        |
| <b>Key3, Yellow, 12 fibers, NEW</b>        | AX102121        |
| <b>Key4, Black, 12 fibers, NEW</b>         | AX102122        |
| <b>Key5, Orange, 12 fibers, NEW</b>        | AX102123        |
| <b>Key6, Blue, 12 fibers, NEW</b>          | AX102124        |
| <b>Key1, Red, 24 fibers, NEW</b>           | AX102125        |
| <b>Key2, Green, 24 fibers, NEW</b>         | AX102126        |
| <b>Key3, Yellow, 24 fibers, NEW</b>        | AX102127        |
| <b>Key4, Black, 24 fibers, NEW</b>         | AX102128        |
| <b>Key5, Orange, 24 fibers, NEW</b>        | AX102129        |
| <b>Key6, Blue, 24 fibers, NEW</b>          | AX102130        |

| DESCRIPTION                                 | ORDERING NUMBER |
|---|-----------------|
| SECURE/KEYED LC FIBEREXPRESS MANAGER MODULE |                 |
| <b>Key1, Red, 12 fibers, NEW</b>            | AX102113        |
| <b>Key2, Green, 12 fibers, NEW</b>          | AX102114        |
| <b>Key3, Yellow, 12 fibers, NEW</b>         | AX102115        |
| <b>Key4, Black, 12 fibers, NEW</b>          | AX102116        |
| <b>Key5, Orange, 12 fibers, NEW</b>         | AX102117        |
| <b>Key6, Blue, 12 fibers, NEW</b>           | AX102118        |

Other Patch Cord lengths and configurations may be available, please contact Customer Service for more details.

# Fiber Media

FiberExpress Manager



## Rack Components



**AX100934** FiberExpress Manager Shelf

### FiberExpress Manager Shelf

FiberExpress modules are rack-mounted using **FiberExpress Manager Shelves**. The shelves provide the total system with extra high connection density while facilitating cable routing and patch cord management.



**AX101943** FiberExpress Manager 1U  
Rack Mount Patch Panel

### FiberExpress Manager 1U

The **FiberExpress Manager 1U Rack Mount Patch Panel** is a low-cost, compact assembly designed for interconnection or splicing of optical fiber cables, from 6 to 36 fibers using up to three FiberExpress Manager Modules. The low-profile design minimizes rack space to only 45 mm (1.75 in.). It can be used with all types of FiberExpress Manager Modules with any connector count (6, 8 and 12 fiber module).

An optional FiberExpress Manager 1U Cable Management Accessory is also available.



**AX102032** FiberExpress Manager 1U Cable  
Management Accessory

| DESCRIPTION   | ORDERING NUMBER |
|---|-----------------|
| FIBEREXPRESS MANAGER SHELF                          |                 |
| Gray, 23 in., 10.9 Kg (24 lb)                       | AX100934        |
| Black, 23 in., 10.9 Kg (24 lb)                      | AX100935        |
| Gray, 19 in., 8.2 Kg (18 lb)                        | AX101084        |
| Black, 19 in., 8.2 Kg (18 lb)                       | AX101085        |
| FIBEREXPRESS MANAGER 1U, RACK MOUNT PATCH PANEL     |                 |
| Black, 19 in., 5 Kg (11 lb)                         | AX101943        |
| Gray, 19 in., 5 Kg (11 lb)                          | AX101944        |
| FIBER EXPRESS MANAGER 1U CABLE MANAGEMENT ACCESSORY |                 |
| Black, 19 in., 1 Kg (2 lb)                          | AX102032        |
| Gray, 19 in., 1 Kg (2 lb)                           | AX102033        |

### FiberExpress Manager Modules

## FiberExpress Manager Connector Module

The **Connector Module** is the basic building block of the FiberExpress Manager. It is designed with a unique release mechanism that allows it slide from the shelf like a PC card, easing management of patch cords.



**AX101525** Connector Module Pre-terminated MPO-MT-RJ

### Accessories

## Flex Kit

The **Flex Kit** contains tubes and manifolds to split cables into 6 fibers. It is necessary for loose tube cables or when fiber cable count does not match the FiberExpress Manager Connector Module number of connections. The Flex Kit tubes help to maintain proper fiber bend radius. One kit is required per 12 modules (one 19 in. shelf).



**AX100945** Flex Kit



**AX101098** Splice Holder Kit

## Splice Holder Kit

A **Splice Holder Kit** can be used to hold fusion or mechanical splices. Each splice holder can handle up to 6 splices.

| DESCRIPTION                                | ORDERING NUMBER         | ORDERING NUMBER              | ORDERING NUMBER |
|--|-------------------------|------------------------------|-----------------|
| FIBEREXPRESS MANAGER CONNECTOR MODULE      | METAL SLEEVE, MULTIMODE | ZIRCONIA CERAMIC, SINGLEMODE |                 |
| <b>ST type, 6 fibers</b>                   | AX101089                | AX100936                     |                 |
| <b>ST type, 12 fibers</b>                  | AX101187                | AX101186                     |                 |
| <b>SC Simplex, 6 fibers</b>                |                         | AX100943                     |                 |
| <b>SC Duplex, 6 fibers</b>                 | AX101092                | AX100944                     |                 |
| <b>SC Duplex (ST in), 12 fibers</b>        | AX101120                | AX101119                     |                 |
| <b>SC Duplex, 12 UPC pigtails, NEW</b>     |                         | AX101715                     |                 |
| <b>SC Duplex, 12 fibers, NEW</b>           | AX101714                | AX101713                     |                 |
| <b>LC, 12 fibers, NEW</b>                  | AX101528                | AX101527                     |                 |
| <b>FC, Singlemode/Multimode, 6 fibers</b>  |                         | AX100937                     |                 |
| DESCRIPTION                                | ORDERING NUMBER         | ORDERING NUMBER              | ORDERING NUMBER |
|  | MULTIMODE 62.5 μm       | MULTIMODE 50 μm              | SINGLEMODE      |
| <b>MPO(m)-ST type, 12 pre-terminated</b>   | AX101189                | AX101190                     | AX101188        |
| <b>MPO(m)-SC Duplex, 12 pre-terminated</b> | AX101091                | AX101114                     | AX101090        |
| <b>MPO(m)-MT-RJ(m), 12 pre-terminated</b>  | AX101525                | AX101526                     | AX101524        |
| <b>MPO(m)-LC, 12 pre-terminated, NEW</b>   | AX101530                | AX101531                     | AX101529        |
|  | BEIGE, MULTIMODE        | BLUE, SINGLEMODE             |                 |
| <b>MT-RJ, 12 fibers</b>                    | AX101096                | AX101581                     |                 |
| FLEX KIT                                   |                         |                              |                 |
| Flex Kit                                   |                         |                              | AX100945        |
| Splice Holder Kit                          |                         |                              | AX101098        |



### Rack Mount Patch Panels (1U & 2U)



**AX100041** FiberExpress, 12/24 Port (1U) Rack Mount Patch Panel



**AX100069** FiberExpress, 24/48 Port (2U) Rack Mount Patch Panel

### FiberExpress Rack Mount Patch Panel 1U & 2U

The **FiberExpress 1U and 2U Rack Mount Patch Panels** are equipped with a special hinge that allows easy access to the rear of the patch panel without disturbing the optical fiber cable. A specially designed front panel allows connector protection and easy routing of optical fiber patch cords. The FiberExpress Rack Mount Patch Panels are also compatible with our 203 mm (8 in.) Splice Organizer Trays. This allows the optical fiber cable to be either terminated with fiber single-ended patch cords or field-installable connectors. The patch panels can be used with ST Compatible, SC, 568SC, FC, LC or MT-RJ adapter strips (ordered separately).

The FiberExpress 1U Rack Mount Patch Panel is a low-cost, compact assembly designed for interconnection or splicing of optical fiber cables, from 12 up to 48 fibers if MT-RJ or LC double density adapter strips are used. The low-profile design minimizes rack space to only 45 mm (1.75 in.). An optional smoked Plexiglas front cover is also available.

The FiberExpress 2U Rack Mount Patch Panel offers a high fiber capacity, 96 fibers if using double density MT-RJ or LC adapter strips. The FiberExpress 2U comes equipped with a smoked Plexiglas front cover that protects fiber connections while allowing for quick visual inspection.

| DESCRIPTION                                   | ORDERING NUMBER |
|---|-----------------|
| FiberExpress Rack Mount Patch Panel 1U, Gray  | AX100042        |
| FiberExpress Rack Mount Patch Panel 1U, Black | AX100041        |
| FiberExpress Rack Mount Patch Panel 2U, Gray  | AX100069        |
| FiberExpress Rack Mount Patch Panel 2U, Black | AX100068        |

### Rack Mount Patch Panels (3U)



**AX100078** FiberExpress (3U) Rack Mount Patch Panel

### FiberExpress Rack Mount Patch Panel 3U

The **FiberExpress 3U Rack Mount Patch Panel** can accommodate up to 96 optical fiber connections using MT-RJ or LC connectors. The connector panel is mounted on a sliding drawer for easy access to the back side (cable side) of the panel.

The FiberExpress 3U Rack Mount Patch Panel can be used with either optical fiber single-ended patch cords or field-installable connectors. If optical single-ended patch cords are to be used, organizer trays are easily accessible via the removable front access pull-out drawer. (Trays must be ordered separately.)

The FiberExpress 3U Rack Mount Patch Panel is a compact cross-connect assembly for the termination of optical fiber cables. The low-profile design minimizes required rack space 127 mm (5 in.). It is compatible with ST Compatible, SC, 568SC, MT-RJ, LC and FC adapter strips (ordered separately).

| DESCRIPTION                                   | ORDERING NUMBER |
|---|-----------------|
| FiberExpress Rack Mount Patch Panel 3U, Gray  | AX100078        |
| FiberExpress Rack Mount Patch Panel 3U, Black | AX100077        |

### Rack Mount Patch Panels (4U)

## FiberExpress Rack Mount Patch Panel 4U

The **FiberExpress 4U Rack Mount Patch Panel** is an economical solution for the protection of optical fiber terminations and splices, up to 192 optical fibers if using MT-RJ or LC connectors. The connector panel, accepting the Universal Adapter Strips, is located inside the enclosure and swings out (left or right) to give easy access to the cable and splices.

The FiberExpress 4U Rack Mount Patch Panel is a compact Cross-Connect enclosure for the cross-connection, interconnection or splicing of optical fiber cables. The low-profile design minimizes required rack space 178 mm (7 in.). It can be used with with ST Compatible, SC, 568SC, MT-RJ, LC and FC adapter strips (ordered separately).



**AX100115** FiberExpress, 48/96 Port (4U) Rack Mount Patch Panel

| DESCRIPTION                                   | ORDERING NUMBER |
|---|-----------------|
| FiberExpress Rack Mount Patch Panel 4U, Gray  | AX100115        |
| FiberExpress Rack Mount Patch Panel 4U, Black | AX100116        |

### Wall Mount Fiber Patch Panels

## FiberExpress Wall Mount Patch Panel

The **FiberExpress Wall Mount Patch Panel Series** is an economical solution for the protection of optical fiber terminations and splices in hostile environments.

Using the FiberExpress Universal Adapter Strips (ordered separately), the Wall Mount Patch Panels allow for flexible and customized patch panel design. They are compatible with most industry standard connections: ST Compatible, SC, 568SC, MT-RJ, LC and FC.

Available in gray and black, the FiberExpress Wall Mount Patch Panels have an ergonomic design, rugged construction and compact assemblies to effectively protect your optical fiber terminations and splices.



**AX100495** Small Wall Mount



**AX100541** Medium Wall Mount



**AX100543** Large Wall Mount

| DESCRIPTION                         | ORDERING NUMBER | ORDERING NUMBER | ORDERING NUMBER |
|-------------------------------------|-----------------|-----------------|-----------------|
| FIBEREXPRESS WALL MOUNT PATCH PANEL | SMALL           | MEDIUM          | LARGE           |
| <b>Gray</b>                         | AX100496        | AX100541        | AX100543        |
| <b>Black</b>                        | AX100495        | AX100540        | AX100542        |

# Fiber Media

FiberExpress Patch Panels



## Universal Optical Fiber Adapter Strips



**AX101729** Adapters loaded with 6 LC Duplex

### Optical Fiber Adapter Strips

**Universal Optical Fiber Adapter Strips** are pre-loaded with six (single density) or 12 (double density) adapter sleeves. Two types of adapter sleeves are available; Phosphor Bronze and Zirconia Ceramic. Adapter sleeves are used as the connecting interface between two optical fiber connectors. A Blank adapter strip is also available and can be used with any FiberExpress Patch Panel to fill in unused adapter strip openings.



**AX100094** Adapters loaded with 3 SC Duplex



**AX100066** Blank Strip

| DESCRIPTION  | ORDERING NUMBER               | ORDERING NUMBER                 |
|--|-------------------------------|---------------------------------|
| OPTICAL FIBER ADAPTER STRIPS, BLACK                                      | PHOSPHOR BRONZE,<br>MULTIMODE | ZIRCONIA CERAMIC,<br>SINGLEMODE |
| Single density, loaded with 6 ST Compatible Adapters                     | AX100088                      | AX100534                        |
| Double density, loaded with 12 ST Compatible Adapters                    | AX100080                      | AX100528                        |
| Single density, loaded with 3 SC Duplex Adapters                         | AX100094                      | AX101407                        |
| Single density, loaded with 6 SC Simplex Adapters                        | AX100092                      | AX100538                        |
| Double density, loaded with 6 SC Duplex Adapters                         | AX100098                      | AX101409                        |
| Double density, loaded with 12 SC Simplex Adapters                       | AX100084                      | AX100532                        |
| Single density, loaded with 6 FC Adapters                                | AX100090                      | AX100536                        |
| Double density, loaded with 12 FC Adapters                               | AX100082                      | AX100530                        |
| Single Density, loaded with 6 LC Duplex Adapters                         | AX101729                      | AX101731                        |
| Double density, loaded with 12 LC Duplex Adapters                        | AX101741                      | AX101743                        |
| DESCRIPTION  | ORDERING NUMBER               |                                 |
| MT-RJ, Single density, loaded with 6 MT-RJ, Black, Multimode/Singlemode  | AX101115                      |                                 |
| MT-RJ, Double density, loaded with 12 MT-RJ, Black, Multimode/Singlemode | AX101117                      |                                 |
| Blank Strip, Black   | AX100066                      |                                 |

Until January 2005, Optical Fiber Adapter strips will be available in gray. They are subject to minimum ordering quantities and longer lead times. Please contact Customer Service for more details.

## FiberExpress Rack Mount Patch Panels 1U & 2U Accessories

The accessories provide additional panel mounting flexibility for racks, cabinets and cable entry.



**AX100045** Front Cover for 1U



**AX101802** 23 in. Rack Universal Extension Bracket for 1U and 2U



**AX101800** 127 mm (5 in.) Universal Offset Bracket Kit, for 19 in. and 23 in. Racks 1U

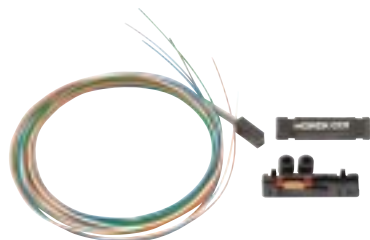


**AX100047** Right Side Cable Entry Bracket for 1U

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| FIBEREXPRESS RACK MOUNT PATCH PANELS 1U AND 2U ACCESSORIES                           |                 |
| 127 mm (5 in.) Universal Offset Bracket Kit, for 19 in. and 23 in. racks (1U), Black | AX101799        |
| 127 mm (5 in.) Universal Offset Bracket Kit, for 19 in. and 23 in. racks (1U), Gray  | AX101800        |
| 127 mm (5 in.) Universal Offset Bracket Kit, for 19 in. and 23 in. racks (2U), Black | AX101797        |
| 127 mm (5 in.) Universal Offset Bracket Kit, for 19 in. and 23 in. racks (2U), Gray  | AX101798        |
| 23 in. Universal extension bracket, Black  | AX101801        |
| 23 in. Universal extension bracket, Gray   | AX101802        |
| Right side cable entry bracket (1U), Black   | AX100046        |
| Right side cable entry bracket (1U), Gray  | AX100047        |
| Right side cable entry bracket (2U), Black   | AX100073        |
| Right side cable entry bracket (2U), Gray  | AX100074        |
| Front Cover (1U), Smoked Plexiglass  | AX100045        |



## Optical Fiber Splice Trays and Field Breakout Kits



**AX101100** Field Breakout Kit

### Optical Fiber Field Breakout Kit

The **Field Breakout Kit** is designed to attach to one tube of a loose-tube cable. Each kit has either six or twelve 900  $\mu\text{m}$  tubes that hold each of the coated fibers. For each end of the cable, one kit is needed for every tube. For example, a 12-fiber 62.5  $\mu\text{m}$  cable contains two 6-fiber tubes. This cable would require four kits, two for each end.

**Optical Fiber Splice Organizer Kits** provide the accessories necessary for installing the FiberExpress Fiber Patch Panels, as well as other fiber terminals that accommodate the standard Optical Fiber Organizer Tray.

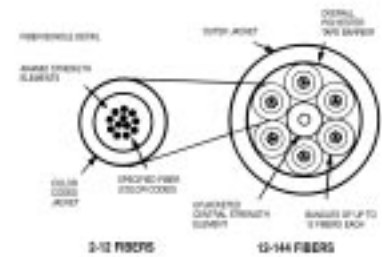


**A0649869** Optical Fiber Splice Organizer Kits and Trays

| DESCRIPTION  | ORDERING NUMBER |
|--|-----------------|
| Optical Fiber Field Breakout Kit, 6 fibers, 1/pack                           | AX101100        |
| Optical Fiber Field Breakout Kit, 12 fibers, 1/pack                          | AX101101        |
| Optical Fiber Splice Organizer Kit, Splice kit, tray, 203 mm (8 in.)         | A0649869        |
| Optical Fiber Splice Organizer Kit, Splice kit, tray, 305 mm (12 in.)        | A0318904        |
| Optical Fiber Splice Tray, Fusion, 203 mm (8 in.)                            | A0335015        |
| Optical Fiber Splice Tray, Fusion, 305 mm (12 in.)                           | A0316446        |
| Optical Fiber Splice Tray, Universal (mechanical or fusion), 203 mm (8 in.)  | AX100079        |
| Optical Fiber Splice Tray, Universal (mechanical or fusion), 305 mm (12 in.) | A0394328        |
| Optical Fiber Splice Tray, Tray cover, 203 mm (8 in.)                        | A0394331        |
| Optical Fiber Splice Tray, Tray cover, 305 mm (12 in.)                       | A0394330        |

## Distribution Series

**FiberExpress Optical Fiber Distribution Cables** are designed for low to high fiber count in-building installations. They offer a high degree of flexibility for backbone and horizontal applications. These cables are made with 900  $\mu\text{m}$  tight buffered fiber and are available in Multimode 62.5  $\mu\text{m}$  and 50  $\mu\text{m}$ , Singlemode Enhanced or a combination of two types of fiber (composite) if required. All distribution cables are riser OFNR/FT4, plenum OFNP/FT6 or LSZH rated.



Fiber Bundle Detail



**M9B044** Distribution (plenum)

| DESCRIPTION                                   | ORDERING NUMBER                         | ORDERING NUMBER                       | ORDERING NUMBER                        | ORDERING NUMBER        |
|---|---|---------------------------------------|--|------------------------|
| DISTRIBUTION RISER SERIES<br>UL OFNR/CSA FT4  | MULTIMODE,<br>FX300, 62.5 $\mu\text{m}$ | MULTIMODE,<br>FX600, 50 $\mu\text{m}$ | MULTIMODE,<br>FX2000, 50 $\mu\text{m}$ | SINGLEMODE<br>ENHANCED |
| <b>2 fibers</b>                               | M9B037                                  | M9A037                                | M9C037                                 | M9W037                 |
| <b>4 fibers</b>                               | M9B038                                  | M9A038                                | M9C038                                 | M9W038                 |
| <b>6 fibers</b>                               | M9B039                                  | M9A039                                | M9C039                                 | M9W039                 |
| <b>12 fibers</b>                              | M9B042                                  | M9A042                                | M9C042                                 | M9W042                 |
| <b>24 fibers</b>                              | M9B602                                  | M9A602                                | M9C602                                 | M9W602                 |
| <b>48 fibers</b>                              | M9B606                                  | M9A606                                | M9C606                                 | M9W606                 |
| <b>72 fibers</b>                              | M9B609                                  | M9A609                                | M9C609                                 | M9W609                 |
| <b>144 fibers</b>                             | M9B619                                  | M9A619                                | M9C619                                 | M9W619                 |
| DISTRIBUTION PLENUM SERIES<br>UL OFNP/CSA FT6 | MULTIMODE,<br>FX300, 62.5 $\mu\text{m}$ | MULTIMODE,<br>FX600, 50 $\mu\text{m}$ | MULTIMODE,<br>FX2000, 50 $\mu\text{m}$ | SINGLEMODE<br>ENHANCED |
| <b>2 fibers</b>                               | M9B043                                  | M9A043                                | M9C043                                 | M9W043                 |
| <b>4 fibers</b>                               | M9B044                                  | M9A044                                | M9C044                                 | M9W044                 |
| <b>6 fibers</b>                               | M9B045                                  | M9A045                                | M9C045                                 | M9W045                 |
| <b>12 fibers</b>                              | M9B048                                  | M9A048                                | M9C048                                 | M9W048                 |
| <b>24 fibers</b>                              | M9B612                                  | M9A612                                | M9C612                                 | M9W612                 |
| <b>48 fibers</b>                              | M9B616                                  | M9A616                                | M9C616                                 | M9W616                 |
| <b>72 fibers</b>                              | M9B620                                  | M9A620                                | M9C620                                 | M9W620                 |
| <b>144 fibers</b>                             | M9B621                                  | M9A621                                | M9C621                                 | M9W621                 |
| DISTRIBUTION LSZH SERIES                      | MULTIMODE,<br>FX300, 62.5 $\mu\text{m}$ | MULTIMODE,<br>FX600, 50 $\mu\text{m}$ | MULTIMODE,<br>FX2000, 50 $\mu\text{m}$ | SINGLEMODE<br>ENHANCED |
| <b>2 fibers, NEW</b>                          | M9B100                                  | M9A100                                | M9C100                                 | M9W100                 |
| <b>4 fibers, NEW</b>                          | M9B101                                  | M9A101                                | M9C101                                 | M9W101                 |
| <b>6 fibers, NEW</b>                          | M9B102                                  | M9A102                                | M9C102                                 | M9W102                 |
| <b>12 fibers, NEW</b>                         | M9B104                                  | M9A104                                | M9C104                                 | M9W104                 |
| <b>24 fibers, NEW</b>                         | M9B107                                  | M9A107                                | M9C107                                 | M9W107                 |
| <b>48 fibers, NEW</b>                         | M9B112                                  | M9A112                                | M9C112                                 | M9W112                 |
| <b>72 fibers, NEW</b>                         | M9B114                                  | M9A114                                | M9C114                                 | M9W114                 |
| <b>144 fibers, NEW</b>                        | M9B120                                  | M9A120                                | M9C120                                 | M9W120                 |

Construction for LSZH cables differs from the drawing.

Alternative fiber counts are available, please contact Customer Service for more details.

# Fiber Media

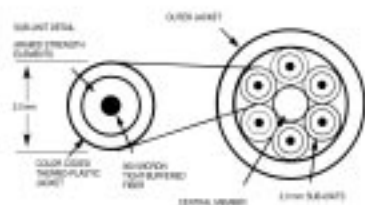
FiberExpress Cables



## Breakout Series

### Breakout Series

**FiberExpress Optical Fiber Breakout Cables** are designed for low to medium fiber count in-building, harsh-environment installations. Breakout or fanout cables offer a high degree of flexibility for backbone and horizontal applications. They are made with 900  $\mu\text{m}$  tight-buffered fiber, each with a Riser, Plenum or LSZH rated jacket. Breakout cables are available in 62.5/125  $\mu\text{m}$  and 50  $\mu\text{m}$  Multimode fiber and Singlemode Enhanced fiber configurations.



Fiber Bundle Detail



M9B013 Breakout (plenum)

| DESCRIPTION                               | ORDERING NUMBER                         | ORDERING NUMBER                       | ORDERING NUMBER                        | ORDERING NUMBER        |
|---|---|---------------------------------------|--|------------------------|
| BREAKOUT RISER SERIES<br>UL OFNR/CSA FT4  | MULTIMODE,<br>FX300, 62.5 $\mu\text{m}$ | MULTIMODE,<br>FX600, 50 $\mu\text{m}$ | MULTIMODE,<br>FX2000, 50 $\mu\text{m}$ | SINGLEMODE<br>ENHANCED |
| <b>2 fibers</b>                           | M9B005                                  | M9A005                                | M9C005                                 | M9W005                 |
| <b>6 fibers</b>                           | M9B007                                  | M9A007                                | M9C007                                 | M9W007                 |
| <b>12 fibers</b>                          | M9B010                                  | M9A010                                | M9C010                                 | M9W010                 |
| <b>24 fibers</b>                          | M9B012                                  | M9A012                                | M9C012                                 | M9W012                 |
| <b>36 fibers</b>                          | M9B083                                  | M9A083                                | M9C083                                 | M9W083                 |
| BREAKOUT PLENUM SERIES<br>UL OFNP/CSA FT6 |   |                                       |  |                        |
| <b>2 fibers</b>                           | M9B013                                  | M9A013                                | M9C013                                 | M9W013                 |
| <b>6 fibers</b>                           | M9B015                                  | M9A015                                | M9C015                                 | M9W015                 |
| <b>12 fibers</b>                          | M9B018                                  | M9A018                                | M9C018                                 | M9W018                 |
| <b>24 fibers</b>                          | M9B020                                  | M9A020                                | M9C020                                 | M9W020                 |
| <b>36 fibers</b>                          | M9B082                                  | M9A082                                | M9C082                                 | M9W082                 |
| BREAKOUT LSZH SERIES                      |   |                                       |  |                        |
| <b>2 fibers, NEW</b>                      | M9B130                                  | M9A130                                | M9C130                                 | M9W130                 |
| <b>6 fibers, NEW</b>                      | M9B132                                  | M9A132                                | M9C132                                 | M9W132                 |
| <b>12 fibers, NEW</b>                     | M9B135                                  | M9A135                                | M9C135                                 | M9W135                 |
| <b>24 fibers, NEW</b>                     | M9B137                                  | M9A137                                | M9C137                                 | M9W137                 |
| <b>36 fibers, NEW</b>                     | M9B138                                  | M9A138                                | M9C138                                 | M9W138                 |

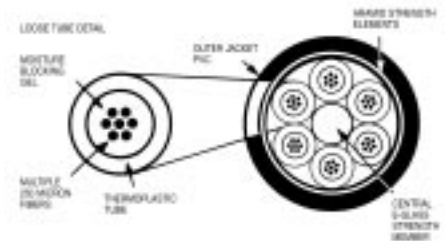
Construction for LSZH cables differs from the drawing.

Alternative fiber counts are available, please contact Customer Service for more details.

### Loose Tube (Campus) Series

### Loose Tube (Campus) Outdoor Series

**FiberExpress Loose Tube (Campus) Optical Fiber Cables** are loose-tube buffered cables suited for outdoor applications such as lashed aerial or underground conduit. These cables are available in all-dielectric and indoor/outdoor riser rated constructions. Loose tube Cables are available in 62.5 and 50  $\mu\text{m}$  Multimode fiber and Singlemode Enhanced fiber configurations.



Fiber Bundle Detail



**M9B511** Loose Tube (outdoor)

| DESCRIPTION  | ORDERING NUMBER                         | ORDERING NUMBER                       | ORDERING NUMBER                        | ORDERING NUMBER        |
|--|---|---------------------------------------|--|------------------------|
| LOOSE TUBE (CAMPUS)<br>OUTDOOR SERIES,<br>UV RATED, ALL DIELECTRIC,<br>PE JACKET                     | MULTIMODE,<br>FX300, 62.5 $\mu\text{m}$ | MULTIMODE,<br>FX600, 50 $\mu\text{m}$ | MULTIMODE,<br>FX2000, 50 $\mu\text{m}$ | SINGLEMODE<br>ENHANCED |
| <b>6 fibers</b>  | M9B510                                  | M9A510                                | M9C510                                 | M9W510                 |
| <b>12 fibers</b>   | M9B511                                  | M9A511                                | M9C511                                 | M9W511                 |
| <b>24 fibers</b>   | M9B500                                  | M9A500                                | M9C500                                 | M9W500                 |
| <b>48 fibers</b>   | M9B505                                  | M9A505                                | M9C505                                 | M9W505                 |
| <b>72 fibers</b>   | M9B507                                  | M9A507                                | M9C507                                 | M9W507                 |
| <b>144 fibers</b>  | M9B509                                  | M9A509                                | M9C509                                 | M9W509                 |
| LOOSE TUBE (CAMPUS)<br>INDOOR/OUTDOOR RISER SERIES,<br>UL, UV RATED, ALL DIELECTRIC,<br>OFNR/CSA FT4 |   |                                       |  |                        |
| <b>6 fibers</b>  | M9B810                                  | M9A810                                | M9C810                                 | M9W810                 |
| <b>12 fibers</b>   | M9B811                                  | M9A811                                | M9C811                                 | M9W811                 |
| <b>24 fibers</b>   | M9B812                                  | M9A812                                | M9C812                                 | M9W812                 |
| <b>48 fibers</b>   | M9B814                                  | M9A814                                | M9C814                                 | M9W814                 |
| <b>72 fibers</b>   | M9B815                                  | M9A815                                | M9C815                                 | M9W815                 |
| <b>144 fibers</b>  | M9B817                                  | M9A817                                | M9C817                                 | M9W817                 |

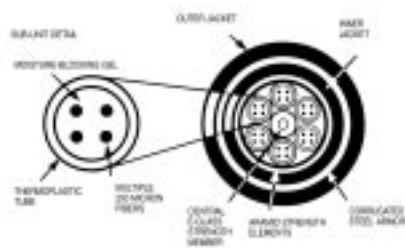
Alternative fiber counts are available, please contact Customer Service for more details.

# Fiber Media

FiberExpress Cables



## Loose Tube (Campus) Direct Burial Armored Series



Fiber Bundle Detail

## Loose Tube (Campus) Outdoor Armored Series

**FiberExpress Loose Tube (Campus) Armor Optical Fiber Cable Series** is made up of rugged fiber cables for applications in hostile environments. This series of cables has corrugated steel armor which provides added protection for direct burial applications. It is available as a riser rated OFCR/FT4 cable suited for in-building and outdoor applications.



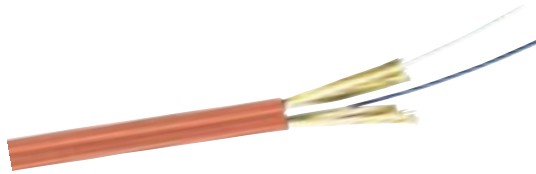
**M9B381/M9B890** Loose Tube (armored)

| DESCRIPTION   | ORDERING NUMBER              | ORDERING NUMBER            | ORDERING NUMBER             | ORDERING NUMBER        |
|---|------------------------------|----------------------------|-----------------------------|------------------------|
| LOOSE TUBE (CAMPUS)<br>OUTDOOR SERIES<br>UV RATED, ARMORED,<br>PE JACKET                      | MULTIMODE,<br>FX300, 62.5 μM | MULTIMODE,<br>FX600, 50 μM | MULTIMODE,<br>FX2000, 50 μM | SINGLEMODE<br>ENHANCED |
| <b>6 fibers</b>   | M9B381                       | M9A381                     | M9C381                      | M9W381                 |
| <b>12 fibers</b>  | M9B382                       | M9A382                     | M9C382                      | M9W382                 |
| <b>24 fibers</b>  | M9B384                       | M9A384                     | M9C384                      | M9W384                 |
| <b>36 fibers</b>  | M9B386                       | M9A386                     | M9C386                      | M9W386                 |
| <b>48 fibers</b>  | M9B389                       | M9A389                     | M9C389                      | M9W389                 |
| <b>72 fibers</b>  | M9B391                       | M9A391                     | M9C391                      | M9W391                 |
| <b>144 fibers</b>   | M9B393                       | M9A393                     | M9C393                      | M9W393                 |
| LOOSE TUBE (CAMPUS)<br>INDOOR/OUTDOOR RISER SERIES,<br>UL, UV RATED, ARMORED,<br>OFCR/CSA FT4 |                              |                            |                             |                        |
| <b>6 fibers</b>   | M9B890                       | M9A890                     | M9C890                      | M9W890                 |
| <b>12 fibers</b>  | M9B891                       | M9A891                     | M9C891                      | M9W891                 |
| <b>24 fibers</b>  | M9B892                       | M9A892                     | M9C892                      | M9W892                 |
| <b>36 fibers</b>  | M9B893                       | M9A893                     | M9C893                      | M9W893                 |
| <b>48 fibers</b>  | M9B894                       | M9A894                     | M9C894                      | M9W894                 |
| <b>72 fibers</b>  | M9B895                       | M9A895                     | M9C895                      | M9W895                 |
| <b>144 fibers</b>   | M9B897                       | M9A897                     | M9C897                      | M9W897                 |

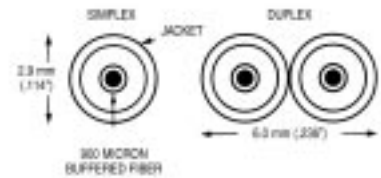
Alternative fiber counts are available, please contact Customer Service for more details.

## Interconnect Series

**Interconnect Cables** are designed for low fiber-count premises environments. They are small and very flexible, making them ideal for confined spaces. Their aesthetic appearance makes these cables suitable for use in open office environments.



**M96915/M96919** Fiber Duplex



Fiber Bundle Detail

| DESCRIPTION                                    | ORDERING NUMBER              | ORDERING NUMBER            | ORDERING NUMBER             | ORDERING NUMBER        |
|--|------------------------------|----------------------------|-----------------------------|------------------------|
| INTERCONNECT RISER SERIES,<br>UL OFNR/CSA FT4  | MULTIMODE,<br>FX300, 62.5 μM | MULTIMODE,<br>FX600, 50 μM | MULTIMODE,<br>FX2000, 50 μM | SINGLEMODE<br>ENHANCED |
| <b>2 fibers, Gray</b>                          | M9B002                       | M9A002                     | M9C002                      | M9W002                 |
| <b>2 fibers, Orange</b>                        | M96915                       |                            |                             |                        |
| INTERCONNECT PLENUM SERIES,<br>UL OFNP/CSA FT6 |                              |                            |                             |                        |
| <b>2 fibers, Gray</b>                          | M9B004                       | M9A004                     | M9C004                      | M9W004                 |
| <b>2 fibers, Orange</b>                        | M96919                       |                            |                             |                        |

### Ordering number by page

|          |    |          |    |                 |    |                 |    |          |    |
|----------|----|----------|----|-----------------|----|-----------------|----|----------|----|
| 22208010 | 26 | 23598027 | 63 | 25500028        | 73 | 1701S6 D151000  | 67 | A0394331 | 96 |
| 22208067 | 26 | 23598047 | 63 | 70100390        | 84 | 1701S6 D15500   | 67 | A0396695 | 79 |
| 22208231 | 26 | 23598074 | 63 | 70101714        | 84 | 1797B           | 60 | A0403634 | 83 |
| 22208235 | 26 | 23598077 | 63 | 70102419        | 84 | 1872A 0061000   | 65 | A0403641 | 83 |
| 22208250 | 26 | 23598107 | 63 | 70102420        | 84 | 1872A 006A1000  | 65 | A0403977 | 79 |
| 22208253 | 26 | 23598154 | 63 | 70102447        | 84 | 1872A 0091000   | 65 | A0405255 | 50 |
| 22208260 | 26 | 23598157 | 63 | 1227A1 008U1000 | 71 | 1872A 009A1000  | 65 | A0405256 | 50 |
| 22208265 | 26 | 23598254 | 63 | 1229A1 008U1000 | 71 | 1874A 0091000   | 65 | A0405257 | 50 |
| 22208270 | 26 | 23598257 | 63 | 1232A1 0081000  | 71 | 1874A 009A1000  | 65 | A0405258 | 50 |
| 22214348 | 76 | 24501829 | 73 | 1243A2 009U1000 | 71 | 1874A D151000   | 65 | A0405294 | 51 |
| 22214500 | 76 | 24501837 | 73 | 1245A2 009U1000 | 71 | 1874A D15A1000  | 65 | A0405295 | 51 |
| 22214700 | 76 | 24501848 | 73 | 1500A 0061000   | 68 | 7813LC 0061000  | 66 | A0405296 | 51 |
| 22214900 | 76 | 24501858 | 73 | 1500A 006A1000  | 68 | 7813LC 006U1000 | 66 | A0405298 | 51 |
| 22713010 | 74 | 24501877 | 73 | 1500A 0091000   | 68 | 7813LC 0091000  | 66 | A0405536 | 59 |
| 22713020 | 74 | 24501887 | 73 | 1500A 009A1000  | 68 | 7813LC 009U1000 | 66 | A0405537 | 59 |
| 22713030 | 74 | 24501897 | 73 | 1500R 0061000   | 68 | 7851A 0061000   | 64 | A0405538 | 59 |
| 22713035 | 74 | 24501906 | 73 | 1500R 006A1000  | 68 | 7851A 006A1000  | 64 | A0405539 | 59 |
| 22713040 | 74 | 24501922 | 70 | 1500R 0091000   | 68 | 7851A 0091000   | 64 | A0406995 | 56 |
| 22713045 | 74 | 24501934 | 70 | 1500R 009A1000  | 68 | 7851A 009A1000  | 64 | A0406996 | 56 |
| 22713050 | 74 | 24501941 | 70 | 1501A 0091000   | 68 | 7852A 0091000   | 64 | A0406997 | 56 |
| 22713060 | 74 | 24501947 | 70 | 1501A 009A1000  | 68 | 7852A 009A1000  | 64 | A0406998 | 56 |
| 22713070 | 74 | 24501950 | 70 | 1501A D151000   | 68 | 7852A D151000   | 64 | A0406999 | 56 |
| 22713080 | 74 | 24566315 | 65 | 1501A D15A1000  | 68 | 7852A D15A1000  | 64 | A0407000 | 56 |
| 22713090 | 74 | 24566345 | 65 | 1583A 0061000   | 69 | 7881A 0061000   | 66 | A0407001 | 56 |
| 23338077 | 63 | 24566915 | 65 | 1583A 006U1000  | 69 | 7881A 006A1000  | 66 | A0407002 | 56 |
| 23398107 | 63 | 24566945 | 65 | 1583A 0091000   | 69 | 7881A 0091000   | 66 | A0407003 | 55 |
| 23398255 | 63 | 24567315 | 65 | 1583A 009U1000  | 69 | 7881A 009A1000  | 66 | A0407004 | 55 |
| 23398257 | 63 | 24567345 | 65 | 1583R 0061000   | 69 | 7882A 0091000   | 66 | A0407005 | 55 |
| 23398355 | 63 | 24567915 | 65 | 1583R 006U1000  | 69 | 7882A 009A1000  | 66 | A0407006 | 55 |
| 23398505 | 63 | 24567945 | 65 | 1583R 0091000   | 69 | 7882A D151000   | 66 | A0407007 | 55 |
| 23398507 | 63 | 24568005 | 65 | 1583R 009U1000  | 69 | 7882A D15A1000  | 66 | A0407008 | 55 |
| 23398667 | 63 | 24570036 | 70 | 1585A 0091000   | 69 | A0266827        | 21 | A0407009 | 55 |
| 23498077 | 63 | 24570086 | 70 | 1585A 009U1000  | 69 | A0266828        | 21 | A0407010 | 55 |
| 23498105 | 63 | 24570152 | 70 | 1585A D151000   | 69 | A0269923        | 21 | A0407071 | 53 |
| 23498107 | 63 | 24570157 | 68 | 1585A D15U1000  | 69 | A0269925        | 21 | A0407072 | 53 |
| 23498155 | 63 | 24570161 | 68 | 1585LC 0061000  | 69 | A0270164        | 22 | A0407073 | 53 |
| 23498255 | 63 | 24570166 | 68 | 1585LC 006U1000 | 69 | A0270165        | 27 | A0407074 | 53 |
| 23498257 | 63 | 24570460 | 68 | 1585LC 0091000  | 69 | A0270166        | 27 | A0408829 | 83 |
| 23498355 | 63 | 24570521 | 17 | 1585LC 009U1000 | 69 | A0270168        | 24 | A0408835 | 82 |
| 23498505 | 63 | 24570700 | 70 | 1588A 0061000   | 69 | A0270169        | 28 | A0409651 | 53 |
| 23498507 | 63 | 24570750 | 70 | 1588A 006U1000  | 69 | A0270172        | 28 | A0409652 | 53 |
| 23498667 | 63 | 24570800 | 68 | 1588A F6H1000   | 69 | A0275511        | 24 | A0409653 | 53 |
| 23518027 | 63 | 24570808 | 68 | 1588R 0061000   | 69 | A0275512        | 24 | A0409654 | 53 |
| 23518047 | 63 | 24570810 | 68 | 1588R 006U1000  | 69 | A0276394        | 23 | A0410469 | 26 |
| 23518077 | 63 | 24570812 | 68 | 1590A 8771000   | 69 | A0276396        | 23 | A0410471 | 26 |
| 23518107 | 63 | 24571097 | 70 | 1590A D151000   | 69 | A0277853        | 23 | A0410473 | 26 |
| 23518157 | 63 | 24571110 | 70 | 1594A 008U1000  | 69 | A0277854        | 23 | A0410475 | 26 |
| 23518257 | 63 | 24571111 | 70 | 1594A 009U1000  | 69 | A0284798        | 23 | A0410493 | 26 |
| 23528027 | 63 | 24571112 | 70 | 1700A 0061000   | 67 | A0285986        | 23 | A0410494 | 26 |
| 23528077 | 63 | 24571221 | 73 | 1700A 006U1000  | 67 | A0316446        | 96 | A0410495 | 26 |
| 23528107 | 63 | 24571235 | 73 | 1700A 0091000   | 67 | A0318897        | 25 | A0410496 | 26 |
| 23528157 | 63 | 24571250 | 73 | 1700A 009U1000  | 67 | A0318904        | 96 | A0410497 | 26 |
| 23528257 | 63 | 24571265 | 73 | 1700R 0061000   | 67 | A0321775        | 25 | A0620806 | 51 |
| 23538027 | 63 | 24571266 | 73 | 1700R 006U1000  | 67 | A0321776        | 25 | A0620807 | 51 |
| 23538047 | 63 | 24572238 | 72 | 1700R 0091000   | 67 | A0325091        | 28 | A0620808 | 51 |
| 23538077 | 63 | 24572250 | 72 | 1700R 009U1000  | 67 | A0325493        | 28 | A0620809 | 51 |
| 23538107 | 63 | 24572260 | 72 | 1700S6 0061000  | 67 | A0327325        | 25 | A0643205 | 55 |
| 23538157 | 63 | 24572351 | 72 | 1700S6 006500   | 67 | A0327326        | 25 | A0643206 | 55 |
| 23538257 | 63 | 24572352 | 72 | 1700S6 F2V1000  | 67 | A0330863        | 22 | A0643207 | 55 |
| 23548027 | 63 | 24572353 | 72 | 1700S6 F2V500   | 67 | A0330864        | 22 | A0643208 | 55 |
| 23548047 | 63 | 24576125 | 72 | 1701A 0091000   | 67 | A0335015        | 96 | A0644488 | 79 |
| 23548077 | 63 | 24577125 | 72 | 1701A 009U1000  | 67 | A0340836        | 22 | A0644489 | 79 |
| 23548107 | 63 | 24577B15 | 17 | 1701A D151000   | 67 | A0340837        | 24 | A0644490 | 79 |
| 23548157 | 63 | 24577B16 | 81 | 1701A D15U1000  | 67 | A0340838        | 23 | A0644492 | 79 |
| 23548257 | 63 | 24586385 | 64 | 1701LC 0061000  | 67 | A0341173        | 22 | A0644497 | 79 |
| 23568027 | 63 | 24586985 | 64 | 1701LC 006U1000 | 67 | A0352331        | 28 | A0644498 | 79 |
| 23568047 | 63 | 24587385 | 64 | 1701LC 0091000  | 67 | A0390851        | 83 | A0644499 | 79 |
| 23568077 | 63 | 24587985 | 64 | 1701LC 009U1000 | 67 | A0393146        | 21 | A0644500 | 79 |
| 23568107 | 63 | 24588085 | 64 | 1701S6 8771000  | 67 | A0394328        | 96 | A0645267 | 51 |
| 23568157 | 63 | 25500027 | 73 | 1701S6 877500   | 67 | A0394330        | 96 | A0645268 | 51 |

|          |    |          |    |          |    |          |    |          |    |
|----------|----|----------|----|----------|----|----------|----|----------|----|
| A0645269 | 51 | AX100214 | 59 | AX100405 | 57 | AX100646 | 43 | AX100919 | 83 |
| A0645270 | 51 | AX100219 | 56 | AX100435 | 40 | AX100647 | 43 | AX100926 | 53 |
| A0645271 | 52 | AX100220 | 56 | AX100436 | 40 | AX100648 | 43 | AX100927 | 53 |
| A0645272 | 52 | AX100221 | 56 | AX100437 | 40 | AX100649 | 43 | AX100928 | 53 |
| A0645273 | 52 | AX100222 | 56 | AX100438 | 40 | AX100650 | 43 | AX100929 | 83 |
| A0645274 | 52 | AX100223 | 57 | AX100439 | 40 | AX100651 | 43 | AX100930 | 78 |
| A0649254 | 55 | AX100224 | 57 | AX100440 | 40 | AX100652 | 43 | AX100931 | 78 |
| A0649869 | 96 | AX100226 | 77 | AX100441 | 40 | AX100653 | 43 | AX100932 | 78 |
| AC200004 | 86 | AX100248 | 79 | AX100442 | 40 | AX100654 | 43 | AX100933 | 78 |
| AX100029 | 82 | AX100249 | 79 | AX100443 | 40 | AX100655 | 43 | AX100947 | 83 |
| AX100041 | 92 | AX100281 | 38 | AX100444 | 40 | AX100667 | 44 | AX100949 | 83 |
| AX100042 | 92 | AX100282 | 38 | AX100445 | 40 | AX100668 | 44 | AX100951 | 83 |
| AX100045 | 95 | AX100283 | 38 | AX100452 | 36 | AX100669 | 44 | AX101033 | 43 |
| AX100046 | 95 | AX100284 | 38 | AX100454 | 36 | AX100670 | 44 | AX101034 | 43 |
| AX100047 | 95 | AX100304 | 53 | AX100458 | 39 | AX100671 | 44 | AX101035 | 43 |
| AX100066 | 94 | AX100305 | 53 | AX100461 | 39 | AX100672 | 44 | AX101036 | 43 |
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## 25-Year Product Warranty

The Belden IBDN components installed in a Belden IBDN 'Certified' System will be warranted from the date of installation, and for a period of 25 years, against defects in materials and workmanship. These components also are warranted to meet or exceed the specifications of standards organizations such as ISO/IEC, CENELEC and TIA/EIA for the category of system installed.

If a Belden IBDN component in a Belden IBDN 'Certified' System fails during the warranty period, the Belden CDT Networking Division and a Belden IBDN Certified System Vendor will repair or replace the failed component – at no cost to the original, registered owner of the Belden IBDN System, including any labor charges.

## Lifetime Application Assurance Program

A Belden IBDN 'Certified' System also is guaranteed to be capable of operating the applications which the system was originally designed to support, as well as any new applications introduced for that system category, for as long as the system owner remains in its original place of installation. (New applications are defined as any application introduced in the future by recognized standards organizations or user forums such as TIA/EIA, ISO/IEC, CENELEC and IEEE.)

If a Belden IBDN 'Certified' System fails to operate an installed or future application on a system wide basis, or fails to provide the minimum performance parameters detailed in the applicable Performance & Warranties Profile, the Belden CDT Networking Division and a Belden IBDN Certified System Vendor will repair or replace the system as required at no cost to the original, registered owner – including any labor charges.

As with all warranties and guarantees, some conditions apply. The Performance & Warranties Profile for each level of the Belden IBDN 'Certified' System provides additional details.

**For more information about Belden IBDN components, Belden IBDN 'Certified' Systems, or our component and system warranties, please call: 1-800-262-9334 (U.S.A. and Canada) or 1-514-822-7593 (International).**





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