

MB 001E

**Belden®: Effective Solutions  
for Efficient Buildings**



**Belden: A Brand  
to Build on**

As one of the world's leading suppliers of cable systems and signal transmission solutions, Belden designs and manufactures equipment for the control, monitoring and optimization of the various functions and services provided in a building. These include heating, ventilation and air-conditioning as well as lighting, security systems and the operation of electrical and/or electronic appliances.

Today's life style revolution is driving the need for greater integration and efficiency. From fully integrated climate control to advanced computer systems to high definition audio-visual entertainment, the quality of modern living depends on our ability to manage increasingly complex systems. Efficient and effective building management systems can help us to further integrate new and innovative technologies.

As a front runner in the development and production of high-speed electronic cables, Belden offers a choice of more than 10.000 standard products, and is very well equipped to deliver the broadest signal transmissions package for advanced building management systems.

**Belden IBDN 10GX Solutions**

For structured cabling systems, Belden offers the most advanced solutions in the marketplace – now including the IBDN 10GX Solution. Belden's IBDN Systems represent networking leadership at every turn, providing IT professionals with top performing structured cabling systems and components for either copper or optical fiber installation.

The Belden IBDN 10GX System is a copper UTP solution for 10G applications. It was the first Category 6A structured cabling system in the marketplace to verify error-free performance for 10GBASE-T during a live, 3rd party demonstration of the performance capabilities for 10GBASE-T technology.

The validation trials were performed on a 100-meter 10GX channel in a worst case, 4-connector channel configuration (as specified in the TIA Category 6A standard). A real-life example of what this means would be the difference of transmitting high resolution pictures (600 dpi) at 20 per minute at 1 Gb/s, versus 200 per minute at 10 Gb/s.

For networking applications, Belden offers complete, end-to-end structured cabling solutions for fiber optic as well as Category 5e and

Category 6 copper based systems. They include cables, connectivity modules and patch cords as well as cable management and accessories.

Belden IBDN Category 5e and Category 6 systems offer a guaranteed industry-leading performance beyond the standard requirements. Available fiber systems feature all fiber cable options, and all of the currently popular connectivity options including LC, SC, and ST.

Also with its GigaBIX solution, based on highly reliable technology using the BIX connecting block and a completely redesigned cable management system, Belden offers the IT manager and the facility manager a number of cost-effective cable management and connectivity options, with no compromise in performance.

**Effective Building Management Systems**

Belden's team of industry specialists understands the needs of owners, developers, installers and users of high performance, technologically advanced systems. Belden offers highly-engineered and value added signal transmissions solutions products including high-speed electronic cables, comprehensive specialty wire and cable products for a broad range of applications and networks.



## Belden: Leading in High Performance Solutions

Belden offers effective solutions for Building Management Systems including:

- Control Cables: the most comprehensive, economical and up-to-date range of reliable control cable products on the market today. Whether for automation, data exchange, interconnection or full networks, Belden has the right solution to keep your data – and your business – on the go.
- Security and Detection: the right performance for your access control systems, CCTV and alarm systems. You can rely on Belden to provide cable solutions to keep people, contents and buildings safe.
- CATV drop cables for broadband applications: these ensure that you do not miss that once-in-a-lifetime experience by providing unparalleled access and outstanding performance.
- A/V cables for key applications including microphones, lighting, DMX, loudspeakers, HD/SDI, VGA on large screens, animation, editing, CAD systems.
- Residential range: providing buildings with future-proof capabilities for every application, supporting office (networking), home theatre, lighting, security lighting, security alarm (CCTV), intelligent equipment (vibration sensors, patch panels) and smart appliances – all through 'single-pull' Banana Peel® cables.

## Belden: Complete Signal Transmission Solutions

Belden offers the very widest range of signal transmission products to meet the needs of owners, developers, installers and users of high performance, technologically advanced systems designed for applications and networks used for the control, monitoring and optimization of the various functions and services provided in a building.

The company is continually growing, evolving and developing. Through ongoing research and development, Belden brings to market the very best in signal transmission technologies in copper, optical fiber and wireless. The company's product range has expanded to include complete system solutions including, for example: connectivity equipment, enclosures, cable raceways and racks.

As a global company, Belden is able to support its customers by better development, deployment and manufacturing around the world. We are able to propose better solutions to more customers from regional and global accounts.

## Belden: Driving Continuous Innovation

Belden innovation is driven by customer needs. During 2009, a number of significant new products will be introduced by Belden EMEA.

These include:

- Structured cabling solutions covering the product gap that is Cat 5e and Cat 6 Shielded systems.
- CatSnake™ Four-channel, Heavy-duty Cat 5e Snake
- The new FiberExpress Ultra range
- 10GX Bonded Pair Cables
- 10GX Pre-Terminated copper solution
- 10GX RJ45 feedthrough modular jacks
- 10GX Cable Assemblies
- Enclosure Configurators
- Open Frame Enclosures

Future new products include:

- 2400 non bonded cable with improved performance
- 2400 bonded pair cable
- SMPTE Connectors