



BAV and ELV Control Cable Market Solutions and Success Case





About BELDEN

Belden produces and sells a comprehensive portfolio of connectivity and networking products into a variety of markets, including industrial, enterprise, and broadcast. Belden people add value to its highly differentiated, high-performance products through unsurpassed design and engineering, manufacturing excellence and customer service. In conjunction with its partners, these core strengths enable Belden to create end-to-end signal transmission solutions that meet the most demanding standards for data, sound, and video applications.

Belden's business is structured in four product platforms: industrial connectivity, industrial IT, enterprise connectivity and broadcast. Belden's connectivity business includes a wide range of copper, fiber and coaxial cable solutions and fiber and copper connectors for the enterprise, broadcast and industrial markets. Belden's networking business is made up of intelligent wired and wireless products that include Industrial Ethernet switches and related equipment, fiber optic interfaces and media converters used to bridge fieldbus networks over long distances as well as load-moment indicators for mobile cranes and other load-bearing equipment.

Belden, A Reliable Brand

We are honored as a professional solution supplier mainly as we always put our customers in the first place. Our work is to offer innovative standardized products needed by our customers continuously. We can offer the most extensive signal transmission products. We also can offer all the necessary data and support to help you make correct decisions for specific applications. Besides, wherever you are, you can get the Belden products.

Belden is continuously growing. We are extending our success in cords to all the signal transmission technologies such as copper cable, fiber and wireless. Our product line covers the complete system solutions including connectivity, accessories, cable pipeline and rack. Today, Belden has more than 30000 types of products including Brilliance AV products, IndustrialTuff industrial and automation products, Belden generic cabling products and New Generation smart building cords.

In the field of AV, Belden established the standard of industry and market, share 87% of the North American market and over 50% of the global market. Our customers include all previous sessions of FIFA, all previous sessions of Olympic Games, all previous US Presidential Elections, CNN news center, Hong Kong TVB, CCTV, STV, etc.

In the field of data networking, Belden's generic cabling products combine the technical quintessence of Belden and IBDN for hundred years. The precursor of IBDN is the generic cabling department of Nortel Networks Corporation Canada, always positioned in the leading place of the industry and enjoying a great reputation. In 2004, Belden merged with CDT and acquired the famous IBDN. The Belden products include the whole series of CAT5e, CAT6, 10 Gigabit copper cable, fiber cable and wireless solution, and the electronic distribution system of whole series of copper cable and fiber cable. Belden's products have always been famous for the optimum performance price ratio. The products are the first to certified by the third party technical certification by the internationally recognized individual authority and the third party technical certification by Quality Supervision and Testing Centre of Data Communication Products of Ministry of Information Industry. Belden offers the longest product warranty in the industry of 25 years. It has more than 20 thousand typical cases around the world, including the Palace Museum, Shanghai Citigroup Tower, National Grand Theater, NASA Headquarters, Beijing Oriental Plaza which is the largest cabling project in Asia, etc.

New Generation smart building cords products include audio, security and alarm cable, special fire alarm cable, control cable and special air conditioning cable. These products have non shielded and various shielded combinations and various flame-retarded ratings. Our customers include Shanghai Pudong International Airport, Shanghai Hang Lung Plaza, etc.

Using environment-friendly materials is one of Belden's principles. Almost all the Belden products conform to the requirements of ROHS Directive and California Proposition 65. Belden products also conform to the requirements of China ROHS.

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Belden Products Introduction

Belden Commercial Solution Advantage

The Company:

- Over 150 years of company history, top 5 structured cabling solutions provider, stable financial capability
- Powerful R&D, production and customization capability which can fully suite your needs for your network

Real Expert on ELV:

- Broad product portfolio, from Copper, Fiber, Datacenter solutions to ELV control cable and A/V cable solutions




Innovation on Copper:

- The world's only small OD CAT6A UTP cable – at 6mm OD, it support 625Mhz bandwidth and save 25% space without compromise on easiness of termination
- Traceable patch cord – by adding 2 LED lights on both ends of patch cord, it easily resolved the patch cord management problem, a worldwide problem to IT guys
- 10GX CAT6A copper pre-term system, the simply 3 components system, can not only save 90% installation time, but also can uniquely support 1.6 meter short link length, running at 625MHz - the best copper choice for datacenter





Innovation on Fiber:

- FX UHD panel system – highest density, also at smallest size and weight in the industry
- Best-in-class 10G to 40G DC upgrade solution - protect your investment effectively!
- FX Universal Connectors – world's fastest connector, and the only one that can re-do if your first try is not successful
- Creative Zero U patching system – by utilizing the side of the rack or the cabling shelf overhead, it can save your precious space not only inside the rack but also the space for the whole datacenter; last but not least, it is the only system can incorporate fiber, copper and multimedia connection into one patch panel

Belden Copper Solutions

 Cat 6A Systems	 Cat 6+ Systems	 Cat 5e Systems	 Workstation Outlets
<ul style="list-style-type: none"> • 10GX Cable • CAT6A Cable • 10GX Patch Panels • 10GX Modular Jacks • 10GX Traceable Patch Cords • 10GX Modular Cords • CAT6A Patch Cords • 10GX Pre-Terminated System • 10GXS Cable - New! • 10GX Shielded Cable • CAT6A Shielded Cable • 10GX Shielded System • 10GX Shielded Pre-Term System • 10GX IDC System • SFP+ Direct Attached Cables 	<ul style="list-style-type: none"> • MediaTwist UTP Cable • DataTwist 2400/3600/4800 Cable • CAT6 Cable • DataTwist 2400 Shielded Cable • 3600 Pre-Terminated System • KeyConnect Patch Panels • CAT6+ Modular Jacks • CAT6+ Traceable Patch Cords • CAT6+ Modular Cords • CAT6 Modular Cords • CAT6+ Shielded Modular Cords • CAT6 Shielded Modular Cords • Shielded Patch Panels & Modular Jacks • GigaBIX IDC System 	<ul style="list-style-type: none"> • Category 5E Systems • DataTwist 1200 Cable • CAT5e Cable • KeyConnect Patch Panels • CAT5E Modular Jacks • CAT5E Modular Cords • BIX Cross-Connect System • 110 Cross-Connect System • DataTwist 1200 Shielded Cable • Shielded Modular Cords • Shielded Patch Panels & Modular Jacks • CAT5E Multi-pair Cable • CAT3 Multi-pair Cable 	<ul style="list-style-type: none"> • Workstation Outlets • KeyConnect Faceplates • KeyConnect Adapters and Boxes • KeyConnect Tamper-Resistant Faceplates • Rapid Termination Tool





Belden Fiber Solution Overview

 FiberExpress Field Termination	 FiberExpress Optical Fiber Cables	 FiberExpress Patch Panel Systems	 FiberExpress Pre-Terminated Assemblies
<ul style="list-style-type: none"> • FX Brilliance Universal Connectors • FX Brilliance Universal Installation Kits and Accessories • FX Pigtailed 	<ul style="list-style-type: none"> • Interconnect Cables • Breakout Cables • Indoor Distribution Cables • Indoor/Outdoor Distribution Cables • Indoor Armored Distribution Cables • Indoor/Outdoor Armored • Distribution Cables • Tactical Cables 	<ul style="list-style-type: none"> • FX UHD Housing and Shelves • FX UHD and FX Ultra Cassettes • FX UHD Splice Cassettes • FX Ultra WallMountand Accessories • FX Manager Patch Panels and Cassettes 	<ul style="list-style-type: none"> • FX Patch Cords • FX Hydra Assemblies • FX MPO Trunk Assemblies • FX Multi-Fiber Assemblies





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Belden ELV Cable Portfolio Overview

 Satellite TV & CATV	 PA & Background Music	 Wireless Communication & DAS Antenna	 BA Control (lighting, parking, access control etc.)
<ul style="list-style-type: none"> • Front End: 75 Ohm Coax <ul style="list-style-type: none"> - 75-4: 1505A - 75-5: 1694A • Distribution Network: 75 Ohm Coax <ul style="list-style-type: none"> - 75-5: 9116 - 75-7: 1523A - 75-5: 9058 (4 layers of shielding) - 75-7: 9064 (4 layers of shielding) 	<ul style="list-style-type: none"> • Microphone: <ul style="list-style-type: none"> - Four-Conductor Star Quad: 1172A - Two-Conductor: 1813A • Speaker & Control Cable: <ul style="list-style-type: none"> - 1-pair, shielded: 5300FE - 1-pair, unshielded: 5200UE - 1-pair, unshielded: 53200UE 	<ul style="list-style-type: none"> • 50 Ohm Coax <ul style="list-style-type: none"> - RG58A/U, 50-3: 8240 - RG8/U, 50-7: 9913 	<ul style="list-style-type: none"> • Twisted-pair: <ul style="list-style-type: none"> - 1-pair, shielded: 5300FE - 1-pair, unshielded: 5200UE - 3-pair, shielded: 5442FE - 2-pair, shielded: 5441FE • 120 Ohm RS485: <ul style="list-style-type: none"> - 1-pair: YJ57159 - 2-pair: YJ57160 • 100 Ohm RS422: <ul style="list-style-type: none"> - 2-pair: 1419A - 3-pair: 1420A - 4-pair: 1421A

Belden ELV Cable Portfolio Overview

 Security & Barcode	 CCTV	 Fire Alarm	 Conference
<ul style="list-style-type: none"> • Twisted Pair Control Cable: <ul style="list-style-type: none"> - 1-pair, shielded: 5300FE 	<ul style="list-style-type: none"> • Camera/PTZ control/Power: <ul style="list-style-type: none"> - 502PTZ (75 Ohm, RG59, 18AWG) 	<ul style="list-style-type: none"> • Twisted Pair Control Cable: <ul style="list-style-type: none"> - 1-pair, shielded: 5300FE - 2-conductor, shielded: 5320FL - 4-conductor, shielded: 5322FL - 2-conductor, unshielded: 5320UJ • Safe-T-Line™ circuit integrity cable: <ul style="list-style-type: none"> - 2-conductor, unshielded: 5320UM - 2-conductor, unshielded: 5320FM 	<ul style="list-style-type: none"> • LED screen: <ul style="list-style-type: none"> - RGB 5-coax: 1417B - RGB 3-coax: 1406B • Microphone Cable: <ul style="list-style-type: none"> - Four-Conductor Star Quad: 1172A - Two-Conductor: 1813A • Twisted Pair Control Cable: <ul style="list-style-type: none"> - 1-pair, shielded: 5300FE • Pro-Video: <ul style="list-style-type: none"> - RG59: 1505A • Pro-Audio: <ul style="list-style-type: none"> - 1-pair, shielded: 1800B • Computer Networking Cable

Belden BAV Solutions

Shanghai Disneyland Park

2015

The Walt Disney Company is a global partner of Belden. Belden is committed to providing Disneyland Parks with all necessary weak current cables for amusement equipment in various thematic areas, background music, lighting, hotel systems, audio and visual effects, etc.

Shanghai Disneyland Park is the second Disneyland Park in China, being the largest in Asia in terms of size and scale. The basic techniques and processes for its design have learned from Orlando Disney World. This way, the Belden product applications from Orlando have also been perfectly copied to this Disney project in Shanghai.

The weak current cable products, stable, reliable, cost-effective and superior in performance, needed to meet both Chinese and international technical standards as well as relatively short delivery time and the large demand on supply.

In addition to co-axial audio and video cable, single-mode optic fiber, microphone cable, loudspeaker cable and control cable, Belden also provides other products from its entire product families including its GV audio-video devices, Hirschmann switches, etc. As the project must meet both domestic and international codes and standards, Belden has optimized the products and performed a variety of customization, in order to meet customer' s demands.

Belden products will be manufactured in China based on US standards. Belden products can satisfy customer requirement in terms of design, quality, productivity and delivery.

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Lucas Oil Stadium

Multi-purpose facility features state-of-the-art networking, telecom, broadcast, audio and video, fire alarm and security systems – all powered by Belden’s integrated networking, connectivity and cable management solutions.

Lucas Oil Stadium, the new home of the Indianapolis Colts NFL football team, is a newly constructed \$720 million, multi-purpose stadium. The facility features seating for 63,000 fans, two massive scoreboards each with HD-quality video displays, large ribbon board and a uniquely designed retractable roof with moving panels that open from sideline-to-sideline, and windows on each end of the building that open as well.

Belden’s state-of-the-art cabling systems were key to supporting the stadium’s integrated networking, data/voice communications, audio/video, CATV, A/V control and building management systems. The facility also features a Belden New Generation® cabling solution encompassing its fire alarm, access control and security systems. Installation of these systems began in mid-2006 and was completed in August 2008 in time for the Colts’ opening game.



End-to-end Integrated Belden Cabling System Design

Belden IBDN structured cabling system, which utilizes both fiber and copper media, is designed in a standard star topology. Here are a few of the configuration highlights:

- For the data backbone, approximately 30,000 ft. of Belden FiberExpress single-mode tight buffer fiber optic Distribution cables have been deployed (24-strand, 12-strand and 6-strand constructions, both plenum and riser types). The backbone links the Main Equipment Room with over 50 Telecommunications Rooms, A/V amplifier rooms and other locations throughout the facility.
- Nearly one million feet of Belden MediaTwist® Category 6 UTP (CMP) cable has been installed from the Telecommunications Rooms to approximately 2,500 telecom outlets serving over 4,500 data termination points.
- The voice backbone is a copper-based Belden system comprised of 25-pair, 50-pair, and 100-pair Category 3 UTP cables (CMP and CMR).
- Fiber connectivity components include FiberExpress Rack-mount Patch Panels (4U and 2U), Patch Cords (SC-LC Single-mode Duplex), Adapter Strips and Optimax Connectors.
- Copper connectivity products include Belden’s CAT6+ Patch Panels (2U/48-port), and CAT5E Patch Panels (1U/24-port and 2U/48-port) and CAT6+ Modular Cords in various colors and lengths from 7 ft. to 36 ft. Additional components include Belden 110 Cross-Connect Kits, MediaFlex® Faceplates and KeyConnect® Modular Jacks.
- Belden Cable Management Racks and Enclosures, Vertical and Horizontal Cable Management Solutions and accessories.

Busch Stadium

St. Louis Cardinals' major league baseball stadium incorporates state-of-the-art audio/video and control systems designed to provide fans with top-flight communications inside the stadium.

The new 46,000-fan capacity ballpark located in the heart of downtown St. Louis, Missouri, When the owners of the St. Louis Cardinals began their plans for a new major league baseball stadium, they wanted to ensure that the broadcasting, audio and control systems would meet the same high quality and design standards as the architecturally impressive stadium itself.

Touring the AV Infrastructure Here is a “snapshot” of the audio/video cabling system at the new Busch Stadium, which includes stadium's audio, video, broadcast, control, scoreboard and electronic display systems.

Belden® Brilliance® AV Cables

- Hundreds of thousands of feet of Brilliance cabling are required to fulfill all of the new Busch Stadium's broadcasting, and far-flung audio/video and control functions. The approximate quantity and types of Brilliance products being deployed include:
- 694A: Precision Video Coaxial cable (RG-6/U Type); 300,000 feet; for TV broadcasting and video applications
- 8477: Paired High-Conductivity Copper Speaker cable/Control & Instrumentation cable; 80,000 feet; Speakers
- 1816R: Paired Analog Multi-Pair Snake cable; 100,000 feet; Audio and Speakers
- 9451: Line Level Analog Audio cables; 100,000 feet; Audio
- YR46889: 8-9 AWG Speaker cables; Big Speakers; Public Address system

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Belden's DigiTruck® Sub-Miniature Coax Cable

Dome Productions Equips Advanced Mobile Digital Broadcast Truck with Belden® Brilliance® A/V Cabling.

Dome Productions in Toronto, Canada, is one of North America's leading providers of mobile production facilities. The firm recently launched Trillium, a turnkey mobile production studio equipped to provide complete turnkey HDTV production and transmission services on a contract basis to clients covering professional sporting events, as well as concerts, awards shows and other high-profile public performances.

A total of 371,000 feet of Brilliance A/V cables were deployed in Dome's mobile production studio — including 1505A Precision Video coax (blue, yellow and green) and 1855A Miniature Video coax (purple).

Dome Productions launched Trillium, the eighth in its fleet of mobile production studios and the third truck equipped for turnkey HDTV production and transmission services

“Our appreciation of Belden products begins and ends with quality and consistency... Belden cables are the ‘mortar’ of our A/V systems.”

Inside the Mobile Production Truck

The entire digital production and transmission studio is housed within an over-the-road trailer truck 53-ft long by 8 ft 6 inches wide and 13 ft 2 inches high. A 5-ft expansion side extends over nearly its entire length. Dome's newest mobiles are capable of supporting standard and high definition 1080i, 720p and 24p HD formats in traditional 4:3 for standard definition, or wide screen 16:9 aspect ratios. In addition, Trillium is fully equipped to provide 5:1 surround sound.

The trailer layout includes a unique back deck in the audio room to allow for easy add-on of additional gear required for larger productions. Functional spaces inside the trailer include distinct areas for audio, production, VTR and VIDEO/TX.

The mobile has a production monitor wall that utilizes an Evertz 10 output virtual monitor driver system and 47 conventional color monitors, thereby providing the production team with versatility in the size and number of monitors available for use. And, as one might imagine, a multi-format HDTV digital mobile facility requires an extensive array of electronic equipment, including video tape recorders, cameras and lenses, audio console, intercom/communications equipment, routers, servers, switchers, microphones, interconnect and other system equipment.

Trillium uses Belden Brilliance DigiTruck® (179DT) cables because they weigh 60% less than standard Mini RG-59/U type cables; they also require 40% less space.

Belden sweep tests and certifies its professional video coax cables to 4.5 GHz to ensure superior RL performance, even at high frequencies.

Belden® Brilliance® Cables Deployed Approximately 371,000 feet of Belden Brilliance A/V cables have been installed in Dome Productions' newest mobile digital production truck. Specific products and quantities include:

- 1855A — Miniature Coaxial Video Cable (150,000 ft)
- 1505A — Precision Video Coaxial Cable (57,000 ft)
- 179DT — DigiTruck® Sub-Miniature Coax for Broadcast Mobile Trucks (35,000 ft)
- 9451 — Line Level Analog Audio Cable (78,000 ft)
- 1857A — RG-11/U Type Video Triax Cable (14,000 ft)
- 8777 — Shielded Multi-Pair Snake Cable (1,000 ft)
- 1583R — Cat 5e UTP Cable for AES/EBU Digital Audio (36,000 ft)

One major differentiator of Belden Brilliance professional video cables is that Belden now sweep tests and certifies these video coax cables to 4.5 GHz to ensure superior return loss performance, even at higher frequencies. To date, Belden is the only cable manufacturer to offer this advantage.

Another innovation in Trillium is the use of Belden Brilliance DigiTruck (179DT) cables, lightweight, crush-resistant precision video coax designed specifically for use in mobile broadcast trucks where load-weight and space are prime concerns. DigiTruck cables deliver high quality performance in analog, SDI, HDTV and AES/EBU digital audio transmissions.

Project List

Shanghai Tower

2015

Shanghai Tower, 632 m in overall height and 580 m in structural height, consists of a main building of 118 stories above grade, a podium building of 5 stories above grade, and 5 levels of basement. The main building features 580 m of structural height. The overall floor area is 576,000 m² and the total building weight is approximately 800,000 t. After completion, the project will become the tallest skyscraper in Shanghai and one of the city landmarks.

Shanghai Tower is situated at Lujiazui Functional Area in Pudong and has underpasses stretching to Dongtai Road to the east and to Huayuanshiqiao Road to the north. The underpasses, upon completion, would interconnect Shanghai International Financial Center, Jinmao Tower and Shanghai World Financial Center below grade, and connect to Shanghai Metro Line 2 and Line 14, forming an integrated underground space. At that time, a large amount of pedestrians in the Small Lujiazui area could be instantly diverted to the underground space, and the traffic dispersion capabilities would be enhanced by a large margin in this area.

Product Application: The BA (building automation) system applies all kinds of cabling.

Like most modern super high-rise buildings, Shanghai Tower is more than an office building. Each of the 9 zones within Shanghai Tower has its own sky lobby and atrium that are sandwiched between interior and exterior glass curtain walls. Zone 1 serves as retail space, Zones 2-6 serve as office spaces, whereas Zone 7 to Zone 9 accommodate the hotel and view deck. Each floor within a sky lobby will have its own retail stores and diners, contributing to a vertical business zone.

Shanghai Tower will feature two glass facades, one inward and the other outward. The main structure is circular internally and triangular externally. More evocatively, it's like a tube covered with another one. The space between the glass facades is 3 to 33 ft (90 cm to 10 m) in width, available for sky lobbies and serving as an insulation layer like a thermos and reducing the heating and cooling requirement for the entire building. Reducing energy consumption for the skyscraper does not only benefit environmental protection, but also makes a large construction project like this one much more economically feasible.

Belden supplies building control cabling to the project, including low-smoke halogen-free product with flame retardant rating as per IEC 60332-3C.

A Nominated Supplier to the Olympics for 50 Years – One More Glory for Belden

From 1956 Melbourne Olympics to 1976 Montreal Olympics, to 1984 Los Angeles, to 1996 Atlanta, to 2000 Sydney, to 2004 Athens, to 2008 Beijing, to 2012 London Olympics, Belden has always been a supplier nominated by the Olympic Games, helping to disseminate the Olympic images to every corner of the world.

Broadcast Cabling for Guangzhou Asian Games

August 2010

The Guangzhou Asian Games 2010, namely the 16th Asian Games, was hosted in Guangzhou, China, on November 12-27, 2010. Guangzhou was the second city in China that has had the right to host Asian Games. Prior to this one, the 11th Asian Games was hosted in

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Project List

Beijing in 1990. The Guangzhou Asian Games offered 42 sports for competition, which represented the largest number in the history of Asian Games. For this game, the cabling for television relay was completely prepared and deployed based on the Olympic standards, covering 42 sports and more than 20 sports halls. The solutions Belden supplied included co-axial audio-video cable, camera optical cable, single-mode optic fiber, triaxial cable and microphone cable. These products represented coverage by a full line of Belden products, and integrated cabling systems using audio-video cable, optic fiber, network cable, etc. all found their applications in the project.

Optics Valley International Tennis Center, Wuhan

2015

The Optics Valley International Tennis Center in Wuhan is the largest indoor tennis stadium in Asia, capable of accommodating 15,000 visitors. The client requested a stable, reliable, cost-effective and high-performance television relay system. Belden supplied products of near 100,000 meters in total length, consisting of co-axial audio-video cable, camera optical cable, single-mode optic fiber, triaxial cable and microphone cable. The project, in particular, was highlighted by the SMPTE relay cabling system with HD camera.

New Site of Suzhou TV Station

2014

Suzhou TV Station is a top three city television station in terms of advertising revenue. The television station has a new building in Suzhou Industrial Park with all the construction funds raised by itself. One of the key requirements from the client was to meet the demands of various studios for camera signal dispatching. Belden worked with its partner manufacturers to provide HD camera cabling system and, in particular, the SMPTE relay cabling system with HD camera.

New Building for Inner Mongolia TV Station

2013

Audio and video cabling systems for the new building of Inner Mongolia TV Station, which contains several media organizations such as Inner Mongolia Television and Inner Mongolia Broadcasting Station. The project, 52 mu in site area and 120,000 m² in floor area, came from RMB 500 million of total investment and represented the first cultural creativity and industry park in Inner Mongolia. Belden products, consisting of audio, video, camera optical cable, network cable, etc., covered all systems in the television station.

Project List

New Site for China Central Television (CCTV)

2010

The new site for CCTV is on East Third Ring Middle Road (the original site for Beijing BAM), Chaoyang District, Beijing, close to East Third Ring Road and occupying the core area of the CBD. Occupying 197,000 m² of site area, the project has about 550,000 m² of floor area and the tallest building is 234 m in height. The project construction and installation cost about RMB 5 billion. The construction consisted of Main Building (CCTV), Television Cultural Center (TVCC), Service Building and Media Park. After completion of the project, CCTV would be capable of broadcasting through 200 program channels. The client employed uniform procurement and central tendering for audio and video cabling for 20 subsystems in the project. Belden provided audio signal cable and co-axial video cable for the project.

IAAF World Championships Beijing 2015

2015

IAAF World Championships Beijing 2015, with the National Stadium as the main stadium, was jointly hosted by the General Administration of Sport of China and the People's Government of Beijing. CCTV, as the broadcasting provider, fed common signal to all major television broadcasters over the world.

IAAF World Championships Beijing 2015 was the largest comprehensive sports games undertaken in Beijing following the 2008 Beijing Olympics. More than 2,000 athletes from over 200 countries competed for 47 sports. This event also gathered experience for the 2022 Winter Olympics to be hosted in Beijing. The project featured a tight schedule of delivery and heavy tasks, allowing of 20 days only for production, transportation and installation. Belden products covered all over the project, including audio-video, optic fiber, network cable and some other integrated cabling systems. The project tasks were fulfilled excellently using products such as co-axial audio and video cable, camera optical cable, single-mode optic fiber, triaxial cable, microphone cable, etc.

Guangzhou International Sports and Entertainment Center, Luogang, Guangzhou

2010

Guangzhou International Sports and Entertainment Center, Luogang, Guangzhou, was the first gymnasium that has been built on the specifications of NBA Finals in China. The stadium, 120,000 m² in overall floor area, provides 17,773 spectator seats, 60 deluxe VIP balconies and 1,270 VIP parking lots. It has ever served as the venue for the new year countdown concerts for Hunan Satellite TV in the previous years and as the arena for basketball games during the Guangzhou Asian Games. The cabling systems are up to standards of television relay for NBA Finals and were actually designed and installed by specifications of NBA Finals. Belden provided solutions that covered co-axial audio and video cable, camera optical cable, single-mode optic fiber, triaxial cable, microphone cable, etc., satisfying a full range of demands on broadcasting and television signal relay from standard definition to high definition.

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Project List

Nanjing TV Station

Broadcasting, general control and uploading areas and all the programming and studio rooms are installed with high-quality Belden audio and video cables including 1505A, 1694A, 8241, 8760, 9180, totaling about 70 km.

Shanghai Media Group

Shanghai Media Group belongs to Shanghai Media & Entertainment Group. It is a multi-media group integrating broadcast, television, newspaper, network, etc. It is installed with 1694A, 1505A, 1855A, 8451, 9451, 8761 and 1696 Belden cables for SMG news center, oriental cable network digital television service platform and oriental CJ shopping channel. The total length is 600 km. Belden's excellent electric performance provide guarantees for the radio and television business of Shanghai Media Group.

The first digital studio room of CCTV

It is installed with 7731A, 1694A and 1505A cables.

Audio and Video Data Center of China Radio and Television

The first network cabling project in domestic market whose transmission rate reaches 4.8G uses Belden Cat6e 4800 end-to-end cabling system and Belden digital audio and video system.

Hong Kong TVB

The main control room, newsroom and broadcast room of the new station of Hong Kong TVB in Tseung Kwan are all equipped with Belden cables.

USA Today

USA Today Studios, Arlington, Virginia is equipped with totally over 230 mile Belden 9232 and 8 2 3 2 triax cables, 8 2 8 1 and 8 2 8 9 video cables, 8451, 8214, 8457, 8471, 8773 and 8777 audio cables, and 9836, 9938 and 1192A multi-conductor cables.

CNN Center, Atlanta, Georgia

CNN Center, Atlanta and Georgia are equipped with over one million feet Belden 8281, 8281, 8241(RG59), and 821 8 video cables, and 8451, 9995, 9993, 9541 and 9543 audio cables.

Project List

Broadcast, Audio&Visual

Sydney Tennis Center	Ningbo TV Station
Lifetime Cable Network	Jiangsu TV Station
2002 FIFA World Cup Korea/Japan	Wenzhou TV Station
2004 Portugal UEFA European Championship	Fujian TV Station
2006 German FIFA World Cup	Hangzhou Cable TV Station
The Tenth National Games	Zhejiang Cixi TV Station
Audio and Video Data Center of CCTV	Jiangxi TV Station
19th Telecast Hall Project of CCTV	Quanzhou TV Station
Digital Telecast Hall of CCTV	Daqing TV Station
Heilongjiang TV Station	Henan TV Station
Hebei TV Station	PLA TV Station Building
Chongqing TV Station	China Education TV Station
Chengdu TV Station	Tsingtao TV Station
Shenzhen TV Station	Shanxi TV Station
Hubei TV Station	Shandong TV Station
Nanjing TV Station	