

## Belden HDMI Connectivity Solutions

Belden now offers a complete solution for sending HDMI signals over long distances without a reduction in signal quality.



### Whether using Category Cable or Fiber, installation is a snap

#### HDBaseT Technology

As Audio/Video installations migrate away from discrete wired solutions towards digital signal solutions, the problem of long distance runs without signal degradation has become a serious issue. Belden recognizes this issue and presents the following solutions to help you navigate in a digital world.

#### HDMI over Category 6 Uncompressed Signal Extender

The HDMI over Category 6 Uncompressed Signal Extender sends HDMI signals over a single Category 6 cable to extend your HDMI video and audio signal up to 330 feet from the source. By utilizing HDBaseT technology, the Extender is capable of transmitting fully-uncompressed HDMI 1080p and 3D video signals while providing flexibility with greater signal distances and installation.

- Features HDBaseT Technology to connect all of the entertainment devices in a setting through its 5Play™ feature set, converging uncompressed full HD digital video, audio, 100BaseT Ethernet, power over cable and various control signals
- Audio and video are transmitted digitally over Category 6 cable without signal loss
- Single Link Range: 100 meters with 1080p/60 and 2000x4000
- Compliant with High Speed HDMI HDCP 2.0 and DVI1.1 standards
- Supports digital video formats in 480i, 480p, 720p, 1080i, 1080p

- Supports PCM 2 Channel audio, 5.1, 7.1, DTS-HD, Dolby audio format
- Supports Infrared (IR) Remote Pass through function to control HDMI source devices (set-top box, DVD player and BluRay DVD Player) in Receiver by its IR remote controller

#### HDMI over Category 6 Gigabit (IP) Extender with LED Display

The HOC-100GR HDMI over Gigabit (IP) Ethernet Extender with LED Display can send out a Standard HDMI signal to one or more HDMI devices using a single Category 6 cable over a 100 Mb/s Ethernet infrastructure while simultaneously returning an Infrared (IR) control signal back to the source controlling it.

- Audio and video are transmitted digitally over 100 Ohm Category 6 cable for lower signal loss
- Single Link Range: 1080p/60 and 1920x1200
- Compliant with Standard HDMI, HDCP 2.0 and DVI1.1 standards
- Supports digital video formats in 480p, 720p, and 1080p
- Supports PCM 2 Channel audio
- Supports IR Pass through function and control HDMI source devices (set-top box, DVD player and BluRay DVD Player) in Receiver by its IR remote controller
- Ability to control the source channel from the IR Control, and display the source channel from the LED panel giving more control to the user

## HDMI over Category 6 Uncompressed Signal Extender

Description	Signal Strength		HDMI Comp.	Digital Video Format	Resolution Capabilities	HDBaseT Technology	Belden Part Number
	Meter	Feet					
HDBaseT Transmitter	100	338	High Speed	480i, 480p, 720p, 1080i, & 1080p	1080p/60 up to 2000x4000	✓	<b>HDBASET-XMIT</b>
HDBaseT Receiver	100	338	High Speed	480i, 480p, 720p, 1080i & 1080p	1080p/60 up to 2000x4000	✓	<b>HDBASET-RECEIVE</b>

Comp.= Compliancy



PART#, HDBaseT Transmitter and Receiver

## HDMI over Category 6 Gigabit (IP) Extender with LED Display

Description	Signal Strength		HDMI Comp.	Digital Video Format	Resolution Capabilities	Belden Part Number
	Meter	Feet				
Ethernet Transmitter	100	338	Standard Speed	480p, 720p, & 1080p	1080p/60 up to 1920x1200	<b>IP-XMIT</b>
Ethernet Receiver	100	338	Standard Speed	480p, 720p, & 1080p	1080p/60 up to 1920x1200	<b>IP-RECEIVE</b>

Comp.= Compliancy



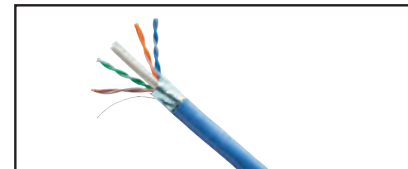
PART#, Ethernet Transmitter and Receiver

## Category 6+ Horizontal Cable

### DataTwist 2400 Cable

DataTwist 2400 Cable consists of 4-pair cables that exceed Category 6 requirements as per

ANSI/TIA/EIA-568-C.2. The cable provides a minimum bandwidth of 250 MHz.



2413 006A100, DataTwist 4-pair Cable

## Category 6+ Non-Shielded Cable

Description	Non-Shielded Cable			
	Blue	Purple	White	Black
2400 Cable, CMR	<b>2412 006A1000</b>	<b>2412 007A1000</b>	<b>2412 009A1000</b>	<b>2412 010A1000</b>
2400 Cable, CMP	<b>2413 006A1000</b>	<b>2413 007A1000</b>	<b>2413 009A1000</b>	<b>2413 010A1000</b>

## Category 6+ Shielded Cable

Description	Shielded Cable			
	Blue	Purple	White	Black
2400 Cable, CMR	<b>2412F 006A1000</b>	<b>2412F 007A1000</b>	<b>2412F 009A1000</b>	<b>2412F 010A1000</b>
2400 Cable, CMP	<b>2413F 006A1000</b>	<b>2413F 007A1000</b>	<b>2413F 009A1000</b>	<b>2413F 010A1000</b>



## Category 6+ Modular Plugs

Belden now offers Modular Plugs as an accessible, easy-to-use solution to terminate twisted pair and multiconductor flat cable for

Ethernet over twisted pair, registered jacks, and other telephone applications.

Description	Color	Belden Part Number
Non-Shielded Category 6+ w/50 Micron Gold	Clear	<b>HIPMP-RJ45CAT6</b>
Shielded Category 6+ w/50 Micron Gold	Clear	<b>HIPMP-RJ45CAT6SH</b>

## Accessories

Description	Belden Part Number
Crimp and Strip Tool for RJ11 (6 Position) and RJ45 (8 Position) Modular Plugs	<b>CPRJ11-45</b>

## 10GX Horizontal Cable

### 10GX Cable

The 10GX Cable delivers performance that goes beyond the ANSI/TIA/EIA 568-C.2 Category 6A standard. 10GX Cable provides 625 MHz of bandwidth and a data rate of 10 Gigabits per second.

This performance is made possible through the innovative RoundFlex™ design that serves to reduce alien crosstalk by randomizing the distance between the cables.

## 10GX Non-Shielded Cable

Description	Non-Shielded Cable			
	Blue	Purple	White	Black
10GX Cable, CMR	<b>10GX12 006A1000</b>	<b>10GX12 007A1000</b>	<b>10GX12 009A1000</b>	<b>10GX12 010A1000</b>
10GX Cable, CMP	<b>10GX13 006A1000</b>	<b>10GX13 007A1000</b>	<b>10GX13 009A1000</b>	<b>10GX13 010A1000</b>

## 10GX Shielded Cable

Description	Shielded Cable			
	Blue	Purple	White	Black
10GX Cable, CMR	<b>10GX62F 006A1000</b>	<b>10GX62F 007A1000</b>	<b>10GX62F 009A1000</b>	<b>10GX62F 010A1000</b>
10GX Cable, CMP	<b>10GX63F 006A1000</b>	<b>10GX63F 007A1000</b>	<b>10GX63F 009A1000</b>	<b>10GX63F 010A1000</b>

## Category 6 Field-Installable Metal Body Ruggedized Plug

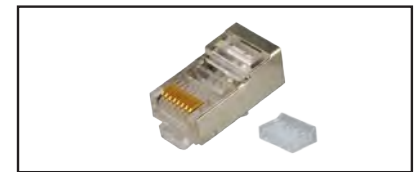
Belden DataTuff Field Installable Metal Body Ruggedized Plugs for Category 6 Cables are manufactured to the industry's highest stan-

dards of quality, utilizing the most advanced equipment, systems, controls and processes.

Description	Part Number
UTP/STP, T568A Plug	<b>R301601 000S1</b>
UTP/STP, T568B Plug	<b>R301602 000S1</b>



HIPMP-RJ45CAT6, Non-Shielded Category 6+ Modular Plug



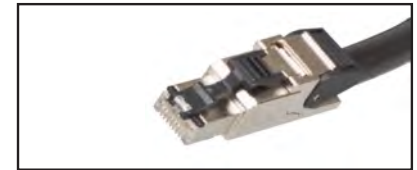
HIPMP-RJ45CAT6SH, Shielded Category 6+ Modular Plug



CPRJ11-45, Crimp and Strip Tool



10GX62F 006A1000, 10GX Cable



R301601 000S1, UTP/STP, T568A Plug

## HDMI Cables

Belden, the leader in professional audio/video signal transmission technology, offers a reliable HDMI interface for transferring uncompressed digital audio/video data from an HDMI-compliant device to a compatible digital audio/video device. Belden offers a complete line of 26 AWG

shielded twisted pair HDMI cables to support any uncompressed TV or PC video format, including standard, enhanced, high definition, and multi-channel compressed or uncompressed digital audio.

UL NEC (UL) CEC Type	Length		Connector	HDMI Assembly Compliance	1080i Verified	1080p Verified	Belden Part No.
	Meters	Feet					
CM or CL2	1	3.28	Gold	High Speed	✓	✓	HD2001
CM or CL2	2	6.56	Gold	High Speed	✓	✓	HD2002
CM or CL2	3	9.84	Gold	High Speed	✓	✓	HD2003
CM or CL2	4	13.12	Gold	High Speed	✓	✓	HD2004
CM or CL2	7	22.96	Gold	Standard Speed	✓		HD2007



HD2002, HDMI Cable



HOR-CBL-HDMI, HDMI Extender over Fiber

## HDMI Extender over Fiber

Belden offers a broad selection of THOR HDMI extenders over fiber for a variety of broadcast and professional audio/video applications. Complete information for the entire line of Belden THOR Category 6 and fiber extenders, digital media DA's,

converters and small and large-scale mission critical KVM switches are available at [www.telecast-fiber.com](http://www.telecast-fiber.com)

Description	Belden Part Number
THOR HDMI Cable is an HDMI Extender that stretches your High-Definition 1080p Multimedia Interface connectivity up to 100 m/ 330 ft	THOR-CBL-HDMI

## Belden End-to-End Network Performance

Belden has the end-to-end copper cabling system to meet your current networking challenges while providing the bandwidth and scalability for the needs of the future.

Consult the Belden Copper Catalog located at [www.belden.com](http://www.belden.com) for a complete listing of copper cabling products.