

FiberExpress XHD System

More fiber in less space to match
bandwidth demands

Product Bulletin



Make better connections and unlock untold opportunities. Belden's FiberExpress XHD System supports migration to 40G, 100G, 200G and 400G networks for high-density fiber applications.

- **Fiber densification:** Deploy more fiber in limited footprints to meet growing connectivity and bandwidth demands.
- **Easy installation and administration:** Access the sliding, tilting 1U drawer for fanout installation or remove the drawer completely for splicing operation.
- **Streamlined fanout upgrades:** Switch from Base-12 to Base-8 or any other fanout configurations without additional patch panel investments.



Key Features

- Available in two formats:
 - Panel ready for field assembly of fanouts or splice kit.
 - Panel preloaded with fanouts and ready to connect.
- Offered in 1U (flat and angled), 2U and 4U variants with preloaded LC Duplex couplers with a density of 76 ports (72 ports LC duplex and 4 ports SN) for a total of 152 fibers per rack unit (RU).
- Support for pre-terminated applications using Base-12 or Base-8 fanout assemblies (MPO-LC) or for splicing using the optional splice tray kit.
- Retrofittable into FX UHD and FX DCX Housings (rack mounts 48P/RU) for migration to higher fiber infrastructure densities.
- 1U angled patch panels available in black or white.
- An optional angled labeling tray is available for separate purchase.

Benefits at a glance

Rising bandwidth demands challenge organizations to add more fiber into existing spaces. Done right, these upgrades can deliver seamless connections that help systems work in harmony.

Designed with flexibility in mind, Belden's FiberExpress XHD System supports the trend toward increasing fiber densification. These panels facilitate migration to 40G, 100G, 200G and 400G networks, with 1U, 2U and 4U variants available. An innovative tilting and sliding drawer simplifies fiber installation and management.

Plus, these panels use less plastic than cassette-based designs and can come preloaded, reducing waste and advancing sustainability.

Improved fiber bend-radius control reducing the sharp bends at the connector boot.

Key applications

Networks are growing exponentially. That means today's organizations across varied industries are looking for ways to connect people, information and ideas by adding more fiber. At the same time, they must maximize the use of existing spaces and keep the total cost of ownership low.

Compatible with Base-12 and Base-8 fanouts, Belden's FiberExpress XHD System variants offer optional preloaded fanouts to simplify the installation and organization of cables. These patch panels allow for higher density by condensing many fibers into a smaller footprint, thus enabling interconnection without expanding physical footprints.

Markets

Designed for organizations' toughest fiber densification challenges, Belden's FiberExpress XHD System meets the needs of the broadcast, data center, healthcare, higher education and hospitality sectors.

As a testament to their high quality, the panels conform to relevant Telecommunications Industry Association (TIA) standards.

Belden's FiberExpress XHD System supports today's fiber infrastructure density in data center and enterprise environments. Pair with Belden's Fiber Cable Assemblies and Fiber Patch Cords for a complete connection solution.



XHD Patch Panel System - Variants

Description	Belden Part number	Number of ports		Number of Fanouts	
		LC Duplex	SN	Base-12	Base-8
XHD 1U Housing with front and rear trays, Black Finish	XHD-01RU-076P	72	4	12	18
XHD 2U Housing with front and rear trays, Black Finish	XHD-02RU-152P	144	8	24	36
XHD 4U Housing with front and rear trays, Black Finish	XHD-04RU-304P	288	16	48	72
XHD 1U Angled Housing with rear tray, Black Finish	XHD-01AU-076P	72	4	12	18
XHD 1U Angled Housing with rear trays, White Finish	XHD-01AU-076PW	72	4	12	18

Description	Part number				
	OM3 Aqua	OM4 Erika Violet	OM5 Lime Green	OS2 Blue	OS2/APC Green
XHD Fanout, 6-ports, MPO-12(F)-to-LC Duplex, Type-A, with MPO Adapter	FC3F06LDMFAA	FC4F06LDMFAE	FC5F06LDMFAL	FCSF06LDMFAB	FCSF06LAMFAG
XHD Fanout 4-ports MPO-12(F)-to-LC Duplex, SR4, with MPO Adapter	FC3F04LD4F4A	FC4F04LD4F4E	FC5F04LD4F4L	FCSF04LD4F4B	FCSF04LA4F4G

Description	Belden Part number
XHD Splice Tray Kit For 144F (Mass Fusion)	XHD-SPLT-KIT01
XHD Splice Tray Kit For 72F (Single Pigtail Fusion)	XHD-SPLT-KIT02
XHD Splice Tray Kit For 144F (Single Pigtail Fusion)	XHD-SPLT-KIT04

Description	Belden Part number
XHD Patch Cord / Label Tray with Clear Holders Black Finish	XHD-LBTR-KIT01B
XHD Patch Cord / Label Tray with Clear Holders White Finish	XHD-LBTR-KIT01W

Related Products

- [Base-12 OM4](#)
- [Base-8 OM4](#)
- [Fiber Pre-Term Assemblies](#)
- [Fiber Patch Cords](#)



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