

NP 285

**FiberExpress®
Ultra Cassettes**

Belden® FiberExpress Ultra Pre-terminated Cassettes simplify fiber termination, and are extremely easy to use.



Compact Cassettes Come Fully Loaded With Connector Bezels and are Pre-terminated with MPO Connections

Belden FiberExpress Ultra Cassettes are designed specifically for use with the Belden FiberExpress Ultra Patch Panel System – the highest density, easiest to install and manage fiber optic patching solution in the industry today.

Features and Benefits

FiberExpress Ultra Cassettes offer the following:

- A compact, rugged design for use with FiberExpress Ultra Rack-mount or Wall-mount Patch Panels
 - Each Cassette contains six (6) Bezels
 - Available in single-mode or multimode versions for ST, SC Duplex, LC Duplex, MT-RJ and Secure/Keyed LC connections
 - They can be quickly and easily inserted or removed via the front of the FiberExpress Ultra Rack- or Wall-mount Patch Panels
 - Cassettes are available individually packaged in a clear reusable plastic enclosure
- The convenience of pre-assembly to streamline installation:
 - They come complete with FiberExpress Ultra Frames already loaded with connector Bezels and are assembled with a rear housing to protect the enclosed pre-terminated MPO-to-connector cable assembly
 - Each Bezel within the Cassette has a 1-inch (2.5 cm) pull-out (patent pending) to enable fast, convenient connection access
 - They allow for the quick reconfiguration of connections in the event of moves, adds and changes
 - The Cassette's rear assembly and cover are available separately to provide additional installation flexibility
- Superior optical performance and reliability
 - Critical optical characteristics are tightly controlled during manufacturing process

Optical Performance	Multimode	Single-mode
FiberExpress Ultra Pre-terminated Cassettes ST-Type and SC Duplex		
Insertion Loss	1.50 dB max.	1.25 dB max.
Reflectance	< -20 dB	< -55 dB
FiberExpress Ultra Pre-terminated Cassettes LC and Secure/Keyed LC		
Insertion Loss	1.15 dB max.	1.15 dB max.
Reflectance	< -20 dB	< -50 dB
FiberExpress Ultra Pre-terminated Cassettes MT-RJ		
Insertion Loss	1.40 dB max.	1.40 dB max.
Reflectance	< -20 dB	< -45 dB

FiberExpress Ultra Cassettes Ordering Information

Technical Specifications

Capacity:

- Up to 24 fibers (LC or MT-RJ)

Dimensions (H x W x D):

- 1.48" x 4.45" x 6.62" (3.8 x 11.3 x 16.8 cm)

Materials:

- Polycarbonate

Weight:

- 0.5 lb (0.25 Kg)

MPO connectors(s):

- Male
- One (1) MPO is provided for Cassettes with densities up to 12 fibers; two (2) MPO connectors are provided for 12 to 24 fibers
- Type-A Modules as per TIA-568-C.1

Adapter Color-coding:

- SC and LC adapters are available in Multimode TIA/EIA color code recommendations:
 - OM1 (62.5 micron multimode) in Beige
 - OM2 (50 micron multimode) in Black
 - OM3 (50 micron Laser Optimized multimode) in Aqua

Performance:

- Meets and exceeds TIA-568-C.3

Packaging:

- 1 unit packaged in a clear reusable plastic enclosure

Belden FiberExpress Ultra Patch Panel System

Belden developed its FiberExpress Ultra Patch Panel System in response to marketplace needs for an innovative optical fiber solution offering:

- Ultra high density
- Ultra easy installation and maintenance
- Ultra flexibility and manageability

FiberExpress Ultra is the culmination of Belden's commitment to providing innovative and reliable fiber patching solutions offering high density, superior performance, ease of installation and maintenance, and optimal manageability.

FIBEREXPRESS ULTRA CASSETTES

Description	Belden Part Number			
	FX300/OM1	FX600/OM2	FX2000/OM3	FXSM Enhanced/OS2
ST-MPO, 6-fibers	AX103619	AX103673	AX103691	AX103799
ST-MPO, 12 fibers	AX103638	AX103680	AX103710	AX103818
SC Duplex-MPO, 6 fibers	AX103620	AX103674	AX103692	AX103800
SC Duplex w/shutter-MPO, 6 fibers	AX103621	AX103675	AX103693	AX103801
SC Duplex-MPO, 12 fibers	AX103639	AX103681	AX103711	AX103819
LC Duplex-MPO, 6 fibers	AX103622	AX103676	AX103694	AX103802
LC Duplex w/shutter-MPO, 6 fibers	AX103623	AX103677	AX103695	AX103803
LC Duplex-MPO, 12 fibers	AX103641	AX103683	AX103713	AX103821
LC Duplex w/shutter-MPO, 12 fibers	AX103642	AX103684	AX103714	AX103822
LC Duplex-MPO, 24 fibers	AX103657	AX103687	AX103729	AX103837
MT-RJ(M)-MPO, 6 fibers	AX103625	AX103679	AX103697	AX103805
MT-RJ(M)-MPO, 12 fibers	AX103644	AX103686	AX103716	AX103824
MT-RJ(M)-MPO, 24 fibers	AX103660	AX103690	AX103732	AX103840

SECURE/KEYED LC CASSETTES, MULTIMODE

Description	Belden Part Number		
	6 Fiber	12 Fiber	24 Fiber
MPO-OM1, K1 Red	AX103626	AX103645	AX103661
MPO-OM1, K2 Green	AX103627	AX103646	AX103662
MPO-OM1, K3 Yellow	AX103628	AX103647	AX103663
MPO-OM1, K4 Black	AX103629	AX103648	AX103664
MPO-OM1, K5 Orange	AX103630	AX103649	AX103665
MPO-OM1, K6 Blue	AX103631	AX103650	AX103666
MPO-OM1, K7 Violet	AX103632	AX103651	AX103667
MPO-OM1, K8 Rose	AX103633	AX103652	AX103668
MPO-OM1, K9 Aqua	AX103634	AX103653	AX103669
MPO-OM1, KA Brown	AX103635	AX103654	AX103670
MPO-OM1, KB Slate	AX103636	AX103655	AX103671
MPO-OM1, KC White	AX103637	AX103656	AX103672
MPO-OM3, K1 Red	AX103698	AX103717	AX103733
MPO-OM3, K2 Green	AX103699	AX103718	AX103734
MPO-OM3, K3 Yellow	AX103700	AX103719	AX103735
MPO-OM3, K4 Black	AX103701	AX103720	AX103736
MPO-OM3, K5 Orange	AX103702	AX103721	AX103737
MPO-OM3, K6 Blue	AX103703	AX103722	AX103738
MPO-OM3, K7 Violet	AX103704	AX103723	AX103739
MPO-OM3, K8 Rose	AX103705	AX103724	AX103740
MPO-OM3, K9 Aqua	AX103706	AX103725	AX103741
MPO-OM3, KA Brown	AX103707	AX103726	AX103742
MPO-OM3, KB Slate	AX103708	AX103727	AX103743
MPO-OM3, KC White	AX103709	AX103728	AX103744

Belden FiberExpress Ultra Rack-mount and Wall-mount Patch Panels, Splice Enclosures/Trays, Frames and Bezels are available and can be ordered separately. See Belden Product Bulletins NP 284, 286 and 287 for complete product listings and ordering information.

All information is subject to change without notice, since Belden reserves the right to change its products as progress in engineering and manufacturing methods or other circumstances may warrant.