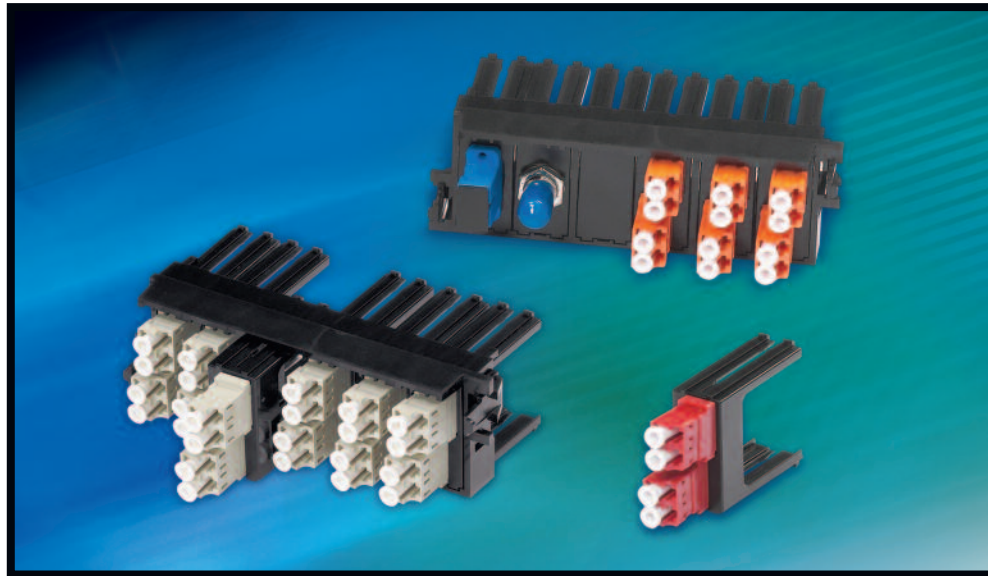


NP 287

**FiberExpress® Ultra
Bezels and Frames**

Belden's easy-to-use connector Bezels and Frames provide ultimate design flexibility in addition to easy installation and maintenance.



**Belden® Frames –
Pre-loaded With Bezels –
Provide Easy Connection
Access and Streamlined
Patch Cord Management**

Belden provides all the components and accessories data center and IT network managers require to effectively implement and maintain their mission-critical fiber optic infrastructure.

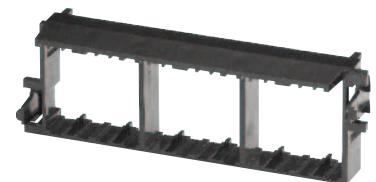
Belden FiberExpress Ultra Bezels and Frames are designed for use with our FiberExpress Ultra Patch Panel System – the industry's highest density optical fiber patching solution available today (refer to NP 284).

**Features and Benefits of
FiberExpress Ultra Bezels**

As the basic building block of the FiberExpress Ultra System, the connector Bezels provide the ultimate in design flexibility with:

- Availability in a wide variety of connector types, in both multimode and single-mode versions:
 - Multimode versions include: ST, SC Simplex, SC Duplex, LC Duplex, MT-RJ and FC Simplex connector types
 - Single-mode versions include: ST, SC Simplex, SC Duplex, SC APC Simplex, SC APC Duplex, LC Duplex, LC APC Duplex, MT-RJ and FC Simplex connector types
- 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

- Six (6) Bezels (maximum) can be inserted into a FiberExpress Ultra Frame or Cassette
- Single- or dual-connector options that make possible all assembly selections
- A shutter option available on many versions
- A unique patent-pending mechanism that allows the individual Bezel to slide out 1-inch (2.5 cm) from the frame, providing easy connector access and patch cord management
- Easy insertion and removable capability to facilitate maintenance
- Individual packaging: Bezels are packaged in a plastic bag, 50 units per box



FiberExpress Ultra Open Frame

Features and Benefits of Belden FiberExpress Ultra Frames

FiberExpress Ultra Frames offer the following attributes:

- Typically come loaded with connector Bezels
- Frames with pigtails come loaded with connector Bezels and 2 meter pigtails
- Frames can accommodate a maximum of six (6) Bezels
- A maximum of 12 duplex connectors (LC or MT-RJ) can be supported for a potential total of 24 fibers per Frame
- Additional labeling space availability on top of the Frame structure

- Ability to be ordered empty to provide the basis for customized Bezel configurations (example: 2 SC Duplex, 2 LC Duplex and 2 blanks)
- An "empty" rear cassette assembly is available to provide additional enhanced protection features and spooling capabilities to the Frames
- Individual packaging: Frames are packaged in a plastic bag, 50 units per box
- Frames with pigtails are individually packaged in a reusable plastic enclosure
- In combination with the Bezels, the Frames provide the industry's easiest connection access
- Ability to be easily inserted or removed from the panel for enhanced maintenance capabilities

Technical Specifications

Capacity:

- 6 Bezels per Frame

Dimensions (H x W x D):

- 1.48" x 4.45" x 1.07" (3.8 x 11.3 x 2.7 cm)

Materials:

- Polycarbonate

Weight:

- Frames are 0.13 lb (0.06 Kg) Typical
- Frames with pigtails are 0.22 lbs (0.1 kg) Typical

Performance:

- Meets and exceeds TIA-568-C.3
- Available in:
 - FX300 OM1 (62.5 micron multimode)
 - FX600 OM2 (50 micron multimode)
 - FX2000 OM3 (50 micron Laser Optimized multimode)
 - FXSM Enhanced OS2 (Low water peak, ITU G.652.c-d)

Connector Performance

	Multimode (PC Polish)	Single-mode (UPC Polish)	Single-mode (APC Polish)
Insertion Loss (dB) Guaranteed	0.5	0.5	0.5
Reflectance (dB)	< -20	< -55	< -65

FiberExpress Ultra Frame Ordering Information

FRAMES - ST-TYPE, SC SIMPLEX, SC DUPLEX, LC DUPLEX, MT-RJ, FC

Description	Belden Part Number			
	FX300/OM1	FX600/OM2	FX2000/OM3	FXSM Enhanced/OS2
ST-Type, 6 fibers	AX103382	-	-	AX103467
ST-Type, 12 fibers	AX103403	-	-	AX103493
SC Simplex, 6 fibers	AX103383	AX103439	AX103453	AX103468
SC Simplex w/shutter, 6 fibers	AX103384	AX103440	AX103454	AX103469
SC Simplex, 12 fibers	AX103404	AX103445	AX103459	AX103494
SC Duplex, 6 fibers	AX103385	AX103441	AX103455	AX103470
SC Duplex w/shutter, 6 fibers	AX103386	AX103442	AX103456	AX103471
SC Duplex, 12 fibers	AX103406	AX103447	AX103461	AX103496
LC Duplex, 6 fibers	AX103387	AX103443	AX103457	AX103476
LC Duplex w/shutter, 6 fibers	AX103388	AX103444	AX103458	AX103477
LC Duplex, 12 fibers	AX103408	AX103449	AX103463	AX103502
LC Duplex w/shutter, 12 fibers	AX103409	AX103450	AX103464	AX103503
LC Duplex, 24 fibers	AX103424	AX103451	AX103465	AX103519
MT-RJ, 6 fibers	AX103389	-	-	AX103859
MT-RJ, 12 fibers	AX103410	-	-	AX103860
MT-RJ, 24 fibers	AX103426	-	-	AX103861
FC, 6 fibers	AX103390	-	-	AX103480
FC, 12 fibers	AX103411	-	-	AX103506
Frame w/6 blanks			AX103862	
Frame, empty			AX103916	
Cassette Rear assembly			AX103917	
Universal Frame w/Cassette Rear assembly			AX103918	



FiberExpress Ultra Frame Ordering Information (continued)

FRAMES - SP APC SIMPLEX, SC APC DUPLEX, LC APC

Description	Belden Part Number
Single-mode	
SC APSC APC Simplex, 6 fibers	AX103472
SC APC Simplex w/shutter, 6 fibers	AX103473
SC APC Simplex, 12 fibers	AX103498
SC APC Duplex, 6 fibers	AX103474
SC APC Duplex w/shutter, 6 fibers	AX103475
SC APC Duplex, 12 fibers	AX103500
LC APC Duplex, 6 fibers	AX103478
LC APC Duplex w/shutter, 6 fibers	AX103479
LC APC Duplex, 12 fibers	AX103504
LC APC Duplex w/shutter, 12 fibers	AX103505
LC APC Duplex, 24 fibers	AX103521



FiberExpress Ultra Frame with Pigtails

FRAMES W/PIGTAILS - SC SIMPLEX, SC DUPLEX, LC DUPLEX

Description	Belden Part Number			
	FX300/OM1	FX600/OM2	FX2000/OM3	FXSM Enhanced/OS2
SC Simplex w/pigtails, 6 fibers	AX103535	AX103549	AX103563	AX103591
SC Simplex w/shutter & pigtails, 6 fibers	AX103536	AX103550	AX103564	AX103592
SC Simplex w/pigtails, 12 fibers	AX103541	AX103555	AX103569	AX103603
SC Duplex w/pigtails, 6 fibers	AX103537	AX103551	AX103565	AX103593
SC Duplex w/shutter & pigtails, 6 fibers	AX103538	AX103552	AX103566	AX103594
SC Duplex w/pigtails, 12 fibers	AX103543	AX103557	AX103571	AX103605
LC Duplex w/pigtails, 6 fibers	AX103539	AX103553	AX103567	AX103599
LC Duplex w/shutter & pigtails, 6 fibers	AX103540	AX103554	AX103568	AX103600
LC Duplex w/pigtails, 12 fibers	AX103545	AX103559	AX103573	AX103611
LC Duplex w/shutter & pigtails, 12 fibers	AX103546	AX103560	AX103574	AX103612
LC Duplex w/pigtails, 24 fibers	AX103547	AX103561	AX103575	AX103615

FRAMES W/PIGTAILS - SC APC SIMPLEX, SC APC DUPLEX, LC APC DUPLEX

Description	Belden Part Number
Single-mode	
SC APC Simplex w/pigtails, 6 fibers	AX103595
SC APC Simplex w/shutter & pigtails, 6 fibers	AX103596
SC APC Simplex w/pigtails, 12 fibers	AX103607
SC APC Duplex w/pigtails, 6 fibers	AX103597
SC APC Duplex w/shutter & pigtails, 6 fibers	AX103598
SC APC Duplex w/pigtails, 12 fibers	AX103609
LC APC Duplex w/pigtails, 6 fibers	AX103601
LC APC Duplex w/shutter & pigtails, 6 fibers	AX103602
LC APC Duplex w/pigtails, 12 fibers	AX103613
LC APC Duplex w/shutter & pigtails, 12 fibers	AX103614
LC APC Duplex w/pigtails, 24 fibers	AX103617

SECURE/KEYED LC FRAMES, MULTIMODE

Description	Belden Part Number		
	6 Fiber	12 Fiber	24 Fiber
K1 Red	AX103391	AX103412	AX103427
K2 Green	AX103392	AX103413	AX103428
K3 Yellow	AX103393	AX103414	AX103429
K4 Black	AX103394	AX103415	AX103430
K5 Orange	AX103395	AX103416	AX103431
K6 Blue	AX103396	AX103417	AX103432
K7 Violet	AX103397	AX103418	AX103433
K8 Rose	AX103398	AX103419	AX103434
K9 Aqua	AX103399	AX103420	AX103435
KA Brown	AX103400	AX103421	AX103436
KB Slate	AX103401	AX103422	AX103437
KC White	AX103402	AX103423	AX103438

FiberExpress Ultra Bezel Ordering Information

BEZELS - ST-TYPE, SC SIMPLEX, SC DUPLEX, LC DUPLEX, MT-RJ, FC SIMPLEX

Description	Belden Part Number			
	FX300/OM1	FX600/OM2	FX2000/OM3	FXSM Enhanced/OS2
ST-Type, 1-adapter	AX103276	–	–	AX103332
ST-Type, 2-adapter	AX103277	–	–	AX103333
SC Simplex, 1-adapter	AX103278	AX103316	AX103324	AX103334
SC Simplex w/shutter, 1-adapter	AX103279	AX103317	AX103325	AX103335
SC Simplex, 2-adapter	AX103853	AX103854	AX103855	AX103342
SC Duplex, 1-adapter	AX103280	AX103318	AX103326	AX103336
LC Duplex, 1-adapter	AX103282	AX103320	AX103328	AX103346
LC Duplex, 2-adapter	AX103283	AX103322	AX103330	AX103350
LC Duplex w/shutter, 1-adapter	AX103284	AX103321	AX103329	AX103347
MT-RJ , 1 adapter	AX103286	–	–	AX103354
MT-RJ , 2 adapter	AX103287	–	–	AX103355
FC Simplex, 1-adapter	AX103288	–	–	AX103356
FC Simplex, 2-adapter	AX103289	–	–	AX103357
MPO, 1-adapter			AX103290	
Blank			AX103291	

Only Belden FiberExpress Ultra Has It All!

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

To learn more about our cost-effective, labor-saving fiber optic solutions that deliver the network uptime you require and the low total cost of ownership you deserve, call 1.800.BELDEN.1 or visit our Website at www.belden.com.

BEZELS - SC APC SIMPLEX, SC APC DUPLEX, LC APC DUPLEX

Description	Belden Part Number	
	Single-mode	
SC APC Simplex, 1-adapter	AX103338	
SC APC Simplex w/shutter, 1-adapter	AX103339	
SC APC Simplex, 2-adapter	AX103344	
SC APC Duplex, 1-adapter	AX103340	
LC APC Duplex, 1-adapter	AX103348	
LC APC Duplex w/shutter, 1-adapter	AX103349	
LC APC Duplex, 2-adapter	AX103352	

SECURE/KEYED LC BEZELS, MULTIMODE

Description	Belden Part Number	
	1-adapter Bezel	2-adapter Bezel
K1 Red	AX103292	AX103304
K2 Green	AX103293	AX103305
K3 Yellow	AX103294	AX103306
K4 Black	AX103295	AX103307
K5 Orange	AX103296	AX103308
K6 Blue	AX103297	AX103309
K7 Violet	AX103298	AX103310
K8 Rose	AX103299	AX103311
K9 Aqua	AX103300	AX103312
KA Brown	AX103301	AX103313
KB Slate	AX103302	AX103314
KC White	AX103303	AX103315

Belden FiberExpress Ultra Patch Panels, Splice Enclosures/Trays and Cassettes are available and can be ordered separately. See Belden Product Bulletins NP 284, 285 and 286 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.