

Faster.  
Easier.  
Better.



## FiberExpress Pre-Terminated Assemblies (continued) FX Hydra Patch Cords

Uniquely suited within dense fixed environments. Compact alternative for statically configured patch cords and pre-term cassettes eliminates connection points to improve performance and alleviate space constraints.

### FASTER

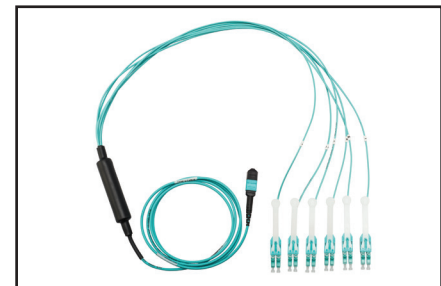
- Faster deployment at the switch with MPO to LC fanout construction

### EASIER

- Easier upgradability from 10G to 40G or 100G with MPO connectivity

### BETTER

- Better identification of fiber type with Erika Violet for OM4 cable and connectors
- Better airflow with small transition point construction

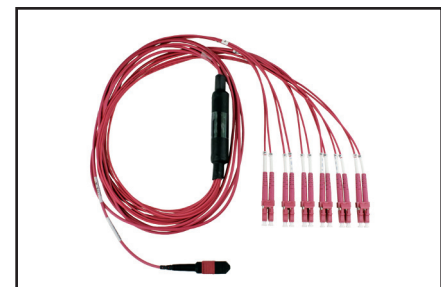


FP4LUMF002M, FX Hydra Patch Cord, OM4, MPO-12F (F) to 6 x LC Duplex UHD Uniboot, 2 m

### FX Hydra Assemblies - Standard Performance

Description	FX OM3	FX OM4	FX SM	FX SM/APC
<b>Cable Performance - LC/SC/ST</b>				
IL Max. 850 nm/1300 nm (dB/Km)	3.25/1.0	3.0/1.0		–
IL Max. 1310 nm/1550 nm (dB/Km)	–	–		0.5/0.5
Fire Rating	Plenum			
Cable Style	MPO: Interconnect Mini-Round 3.0 mm LC Uniboot: Interconnect Mini-Round 2.0 mm LC: Interconnect Simplex Zip 2.0 mm			
<b>Connector Performance - LC</b>				
IL Max. (dB)	0.25	0.15	0.35	0.35
Polish - RL Typ. (dB)	PC - 30	PC - 30	UPC - 55	APC - 65
Fanout Length	0.5 m, In-Line			
<b>Connector Performance - MPO</b>				
IL Max. (dB)	0.35	0.2	–	0.75
Polish - RL Typ. (dB)	PC - 30	PC - 30	–	APC - 60
Polarity	Type-A			

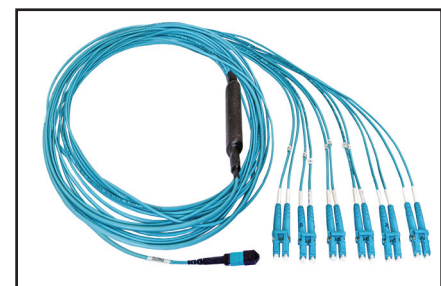
See duplex clips on page 18



FP4LDMF002M, FX Hydra Patch Cord, OM4, MPO-12F (F) to 6 x LC Duplex, 2 m

### Standard FX Hydra Assemblies

Description	OM3 Aqua	OM4 Erika Violet	OS2 Blue/Yellow
<b>Base12 Duplex</b>			
MPO-12(12f) Female to 6 x LC Duplex UHD Uniboot, 0.5 m In-Line Fanout, 2 m in length	FP3LUMF002M	FP4LUMF002M	FPSLUMF002M
MPO-12(12f) Female to 6 x LC Duplex UHD Uniboot, 0.5 m In-Line Fanout, 3 m in length	FP3LUMF003M	FP4LUMF003M	FPSLUMF003M
MPO-12(12f) Female to 6 x LC Duplex UHD Uniboot, 0.5 m In-Line Fanout, 5 m in length	FP3LUMF005M	FP4LUMF005M	FPSLUMF005M
<b>Base8 Duplex for SR4 (QSFP+/QSFP28) Transceivers</b>			
MPO-12(8f) Female to 4 x LC Duplex UHD Uniboot, 0.5 m In-Line Fanout, 2 m in length	FP3LU4F002M	FP4LU4F002M	FPSLU4F002M
MPO-12(8f) Female to 4 x LC Duplex UHD Uniboot, 0.5 m In-Line Fanout, 3 m in length	FP3LU4F003M	FP4LU4F003M	FPSLU4F003M
MPO-12(8f) Female to 4 x LC Duplex UHD Uniboot, 0.5 m In-Line Fanout, 5 m in length	FP3LU4F005M	FP4LU4F005M	FPSLU4F005M



FP3LDMF002M, FX Hydra Patch Cord, OM3, MPO-12F (F) to 6 x LC Duplex, 2 m

## FiberExpress Pre-Terminated Assemblies (continued) FX Hydra Patch Cords

### Standard FX Hydra Patch Cords

FX Patch Cord: **FP**

1. Choose Fiber Type: **3**

2. Choose Connector 1: **LD**

3. Choose Connector 2: **MF**

4. Choose Length\*: **003M**

Fiber Type
3 OM3
4 OM4
S OS2

Connector 1
LD LC Duplex
LM Mini-LC Duplex
LA LC/APC Duplex
LH LC Duplex UHD
LU LC Duplex UHD Uni
LE LC/APC Duplex UHD

Connector 2
MM MPO-12 (m)
MF MPO-12 (f)
4M MPO-12 (M) Base 8
4F MPO-12 (F) Base 8

Length*
001M to 015M *use M as decimal

### Tailored FX Hydra Patch Cords

FX Patch Cord: **FP**

1. Choose Fiber Type: **3**

2. Choose Connector 1: **LD**

3. Choose Connector 2: **MF**

4. Choose Length: **003M**

5. Choose Fire Rating: **P**

6. Choose Cable Construction: **7**

7. Choose Polarity: **A**

8. Choose Jacket Color: **A**

Fiber Type
1 OM1
2 OM2
3 OM3
4 OS4
S OS2

Connector 1
LD LC Duplex
LC LC Simplex
LM Mini-LC Duplex
LA LC/APC Duplex
LB LC/APC Simplex
LH LC-Duplex UHD
LJ LC-Simplex UHD
LU LC-Duplex UHD Uni
LE LC/APC Duplex UHD
LF LC/APC Simplex UHD
SD SC Duplex
SC SC Simplex
SA SC/APC Duplex
SB SC/APC Simplex
ST ST

Connector 2
MM MPO-12 (m)
MF MPO-12 (f) Female
4M MPO-12 (M) Base 8
4F MPO-12 (F) Base 8

Length
001M to 300M *use M as decimal

Fire Rating
P Plenum
L LSZH

Cable Construction
7 Round 3.0 mm

Polarity
A Type-A (Straight Polarity)
B Type-B (Reversed Polarity)
4 SR4

Jacket Color
O Orange
Y Yellow
A Aqua
E Erika V.

**Examples:**

**FP3LDMF020MP7AA** - FX Patch Cord, OM3, 6 x LC Duplex - MPO-12 (F), 20 m, OFNP, Round 3.0 mm, Type-A, Aqua Jacket

**FP4LUMM010MP7AA** - FX Patch Cord, OM4, 6 x LC Duplex UHD Uniboot - MPO-12 (M), 10 m, OFNP, Round 3.0 mm, Type-A, Aqua Jacket

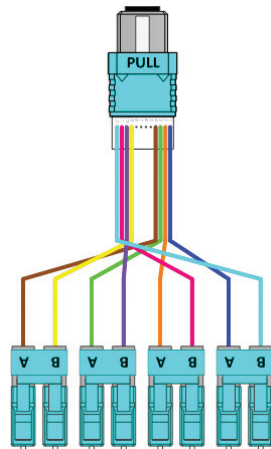
**FP5LHMF005MP7BY** - FX Patch Cord, OM2, 6 x LC Duplex UHD - MPO-12 (F), 5 m, OFNP, Round 3.0 mm, Type-B, Yellow Jacket

**FP3LDMM005MP7BA** - FX Patch Cord, OM3, 6 x LC Duplex - MPO-12 (M), 5 m, OFNP, Round 3.0 mm, Type-B, Aqua Jacket

**FP4LDMF025MP7AE** - FX Patch Cord, OM4, 6 x LC Duplex - MPO-12 (F), 25 m, OFNP, Round 3.0 mm, Type-A, Erika Violet Jacket

Please contact Belden for any help configuring/validating SmartPart Numbers or for any other custom Engineered solutions

### FX Hydra Assembly SR4 Polarity MPO-12 8 Fiber (Base8)



### FX Hydra Assembly Type A Polarity MPO-12 12 Fiber (Base12)

