

# C2LINX

## Ordering Guide



**Amphenol Telect.**

# C2LINX

## Optical Fiber Distribution Panels

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## Optical Fiber Distribution Panels

### Overview

The C2LINX is a family of optical fiber distribution panels designed with superior cable management features. Amphenol Telect engineered the panel for optimal care during handling, cleaning and inspection of fiber cables. We designed links that guide the fiber from cable managers into the panel, allowing for improved cable access, identification and routing.




The C2LINX series also offers more functionality and more flexibility for hyperscale network environments. Each chassis—1RU, 2RU and 4RU—can house patch only, patch and splice, MPO, pre-term or splitter modules. Engineers can mix and match modules within a single chassis.

**NOTE:** Amphenol Telect requires the use of G.657A1 fiber and recommends using G.657A2 bend insensitive 1.6 or 1.2 mm fiber with short boots to further protect the fiber, also LC with low-profile triggers are recommended.

### Key Benefits

- Scalable solutions for telco, CATV, enterprise and utility environments
- Adapters aligned straight across the front of each module for easy access
- High quality fiber and connectors/adapters
- Trays slide forward and backward for simple access to fibers and modules
- Removable doors for easier access to fiber connections
- Front and back cable management links
- Doors include high-capacity designation cards
- Accommodates 1.6 mm or 1.2 mm fiber jumpers
- 19-inch and 23-inch mounting brackets with variable chassis mounting depth adjustment

### Panels

1RU	2RU	4RU
		
144 LC or 72 SC terminations	288 LC or 144 SC terminations	576 LC or 288 SC terminations
12 modules	24 modules	48 modules

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### Section One: Chassis

The Telect C2LINX chassis is a tray-based fiber distribution platform consisting of six trays per rack unit.

Each tray holds two modules that can be mixed and matched for patch only, patch and splice, MPO, pre-term or splitters. Doors include high-capacity designation cards.

Part Number	Height	Dimensions (H x W x D)	Packaging Dimensions	Shipping Weight
H1000-CHS-06	1RU	1.75" x 17.5" x 18.25" (171 mm x 445 mm x 464 mm)	5.5"H x 21"W x 21"D	15 lbs
H2000-CHS-12	2RU	3.5" x 17.5" x 18.25" (242 mm x 445 mm x 464 mm)	5.5"H x 21"W x 21"D	24 lbs
H4000-CHS-24	4RU	7.0" x 17.5" x 18.25" (484 mm x 445 mm x 464 mm)	9.5"H x 22"W x 22"D	35 lbs

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### Section 3: Trays

C2LINX trays come pre-installed in each chassis. Each tray holds two modules. Patch-only modules, patch and splice modules, splitters, TAPs, DWDMs, WDMs, CWDMs and pre-terminated modules can all be mixed and matched in a single chassis.

Trays slide forward or backward for easy access to fiber and modules.

Part Number	Rack Units	Cassette Capacity
H1000-CHS-06	1RU	12
H2000-CHS-12	2RU	24
H4000-CHS-24	4RU	48

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### Section 4: Modules

#### a. Patch

Jumper to jumper interconnect or crossconnect is facilitated by 12-fiber LC, six-fiber SC or MPO adapter modules.

Adapter modules easily snap into the trays from the front or back of the chassis.

Duplex LC adapters have been spaced apart to facilitate easier finger access and are aligned straight across the front of each module. This is critical for inspection with a standard fiber inspection scope and probe.



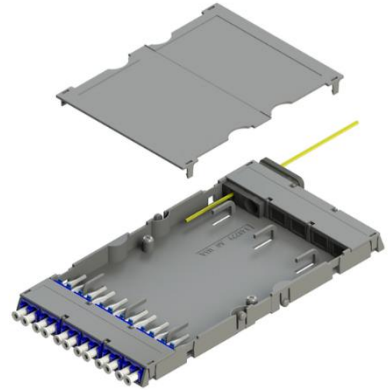
Part Number	Front Adapter Type	Front Adapter Count	Adapter Color	Fiber Type
HX-PC-12LCMM	Duplex LC MM	12	Aqua	OM3/OM4
HX-PC-12LCSA	Duplex LC/APC	12	Green	SM (OS2)
HX-PC-12LCSU	Duplex LC/UPC	12	Blue	SM (OS2)
HX-PC-06SCSU	SC/UPC	6	Blue	SM (OS2)
HX-PC-06SCSA	SC/APC	6	Green	SM (OS2)
HX-PC-06SCMM	SC MM	6	Beige	OM3/OM4
HX-PC-04MMUD	MPO Type A	4	Aqua	OM3/OM4
HX-PC-04MMUU	MPO Type B	4	Aqua	OM3/OM4
HX-PC-04MSUD	MPO Type A	4	Black	SM (OS2)

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### b. Patch and Splice

Patch and splice modules enable splicing within the C2LINX panel. The C2LINX patch and splice module combines splicing of up to 12 fibers within a compact footprint. Pigtails are included with each module.



Part Number	Adapter Type	Front Adapter Count	Adapter Color	Pigtail
HX-SC-12LCSU-S	Duplex LC UPC	12	Blue	Quantity 12 SM 250- $\mu$ m fibers
HX-SC-12LCSU-R	Duplex LC UPC	12	Blue	Quantity 1 SM 12-fiber ribbon
HX-SC-12LCSA-S	Duplex LC APC	12	Green	Quantity 12 SM 250- $\mu$ m fibers
HX-SC-12LCSA-R	Duplex LC APC	12	Green	Quantity 1 OM3 12-fiber ribbon
HX-SC-6SCSU-R	SC/APC	6	Green	Quantity 6 SM 250- $\mu$ m fibers
HX-SC-12LCM4-S	Duplex LC UPC	12	Aqua	Quantity 12 OM4 250- $\mu$ m fibers
HX-SC-12LCM4-R	Duplex LC UPC	12	Aqua	Quantity 1 12-fiber ribbon
HX-SC-12LCM3-S	Duplex LC APC	12	Aqua	Quantity 12 OM3 250- $\mu$ m fibers
HX-SC-12LCM3-R	Duplex LC APC	12	Aqua	Quantity 1 OM3 12-fiber ribbon

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### c. Pre-terminated Modules

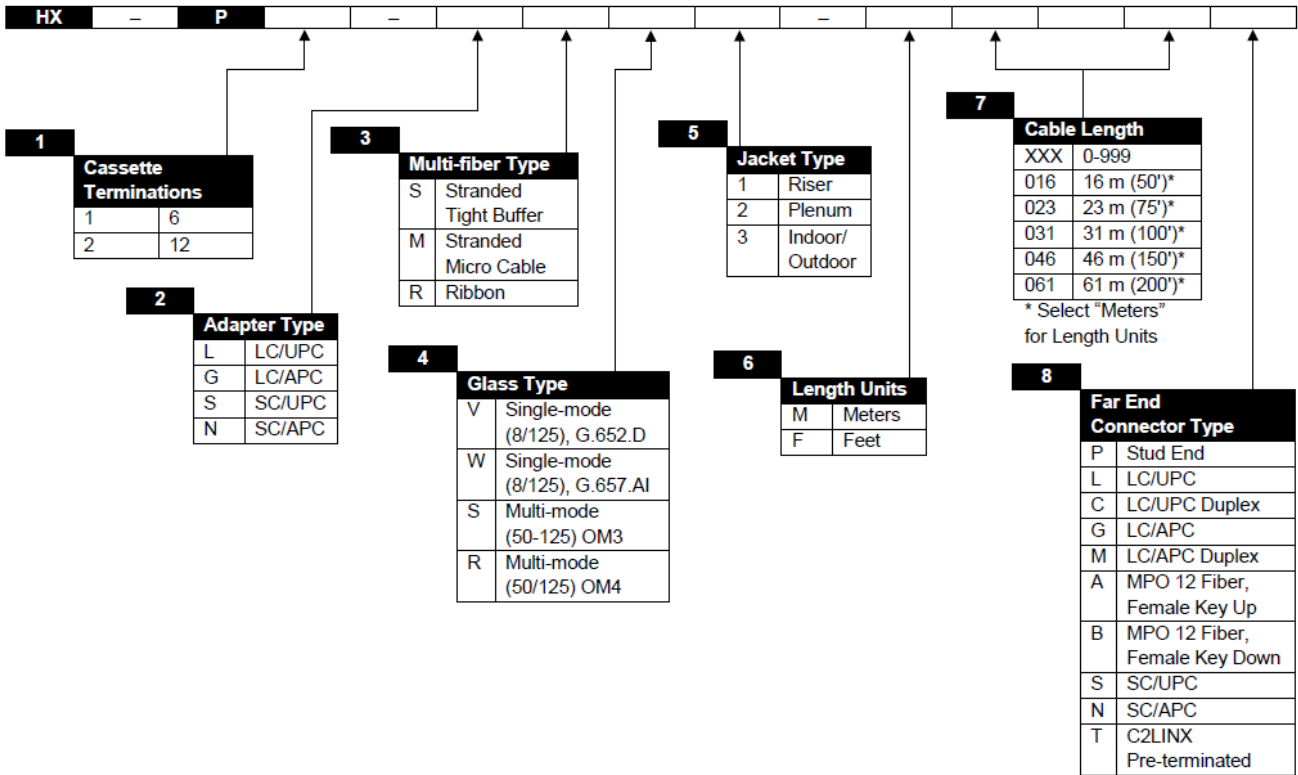
C2LINX pre-terminated modules save significant time and cost in cable deployments.

Using the LC-cabled module, for example, an installer can route a 24-fiber cable to any access tray in a universal chassis, then rapidly terminate the module's 24-fiber connectors using a single click, rather than installing 24 individual connectors.

Cabled modules are available in LC and SC, single-mode configurations. Individual adapter ports are labeled for easy identification. Two cable options are available with cabled modules, conventional IFC or 24-fiber microcable IFC cable.



### Ordering Configurator





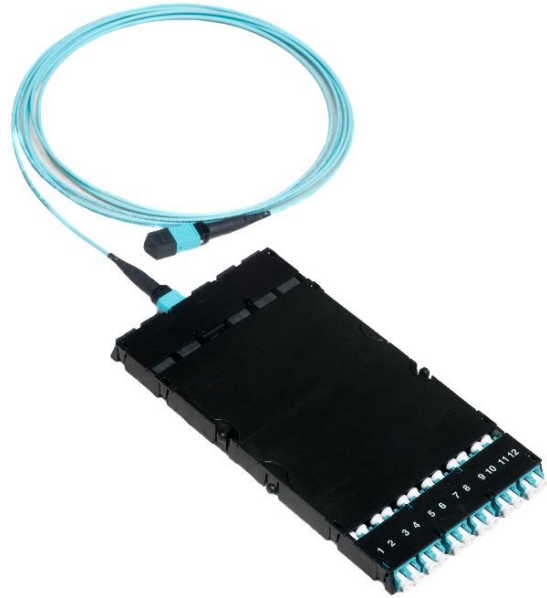
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### d. MPO

The Telect MPO modules in the C2LINX system can increase fiber density and decrease your fiber footprint. With single-mode or multimode (OM3 or OM4) versions available, C2LINX can accommodate network planners making the decision on migration to 40/100 gigabit ethernet. The modules offer a 12-fiber MPO input on the rear which are terminated internally and routed to the LC duplex on the front. For optimal cable management, a 2-mm MPO bend insensitive fiber should be used.

The Telect C2LINX MPO cassettes come in either a standard type A polarity method or method B with the polarity flipped inside the modules. Method A uses straight-through type A backbones (pin1 to pin1) and type A (key-up to key-down) MPO adapters. Method B uses cross-over type B backbones (pin1 to pin12) and type B (key-up to key-up) MPO adapters. However, the type B adapters are used differently on the two ends (key-up to key-up versus key-up to key-down), which may require more planning effort and/or potential expense initially.



Part Number	Description
HX-MP-12LCUA	12-FIBER MPO, LC/UPC, SM, BREAKOUT CASSETTE, A POLARITY
HX-ML-12LCUA	12-FIBER MPO, LC/UPC, SM, BREAKOUT CASSETTE, A POLARITY, ULTRA LOW LOSS
HX-MP-12LCAA	12-FIBER MPO, LC/APC, SM, BREAKOUT CASSETTE, A POLARITY
HX-ML-12LCAA	12-FIBER MPO, LC/APC, SM, BREAKOUT CASSETTE, A POLARITY, ULTRA LOW LOSS
HX-ML-12LC3A	12-FIBER MPO, LC, MM (OM3), BREAKOUT CASSETTE, A POLARITY, ULTRA LOW LOSS
HX-ML-12LC3B	12-FIBER MPO, LC, MM (OM3), BREAKOUT CASSETTE, B POLARITY, ULTRA LOW LOSS
HX-ML-12LC4A	12-FIBER MPO, LC, MM (OM4), BREAKOUT CASSETTE, A POLARITY, ULTRA LOW LOSS
HX-ML-12LC4B	12-FIBER MPO, LC, MM (OM4), BREAKOUT CASSETTE, B POLARITY, ULTRA LOW LOSS

