



FIBER

ENCLOSURES

Hubbell's premium quality fiber enclosures support a wide range of interconnect facility applications, from data centers to building backbone, horizontal, and entrance facilities. This section features Hubbell's next generation FCR Series enclosures, designed from global customer input to maximize utility and ease of installation. The new high density FCRHD1 Series data center enclosures are also introduced, along with a new series of enclosures for U.S. government trade-agreement compliance.



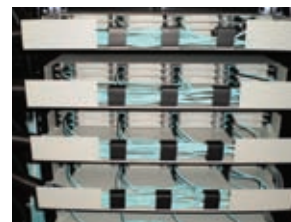


ENCLOSURES

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FCRHD1UBK loaded with
OCLCHD50G3



Cable Management

Utilizes MTP custom made trunk assemblies.



High Density

Fits 144 LC ports in a 1U rack space.



Efficiency

Advanced 3-drawer ultra compact design.

HUBBELL Advantage

- Modular Plug-n-Play High Density
144 LC Ports in a 1U Rack Space
- Scalable Capacity for Future Expansion
Using Compact LC to MTP Cassette Modules
- CSI Specifications, Drawings, and
Application Tips Available
- Low Profile to Enhance Cooling Efficiency

Specifications

- Capacity: (12) OCLCHD Series cassettes
- Material: 16ga cold rolled steel
- Finish: powder coated black or gray

Standards/Listings/Verifications

- EIA-310-E
- TIA-568-C.3
- Telcordia GR-326-CORE
- TIA-604-FOCIS



Hubbell OptiChannel High Density 144 Port 1U Enclosures

Rack Units	Color	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Max LC Port Capacity	Catalog No.
1	Black	1.75" (44)	19" (483)	17" (432)	144	FCRHD1UBK
1	Gray	1.75" (44)	19" (483)	17" (432)	144	FCRHD1UGY



FCRHD1UBK

Hubbell OptiChannel Ultra Compact LC to MTP Cassettes

Specifications

- MM total insertion loss: <1.5dB max
- SM total insertion loss: <1.1dB max
- SM return loss: >50dB
- Material: 5052 aluminum
- Polarity: TIA-568-C.3, Type "A"

Port Count	Fiber Type	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Catalog No.
12	50µm, OM3	0.5" (13)	3.5" (89)	5.2" (132)	OCLCHD50G3
12	50µm, OM4	0.5" (13)	3.5" (89)	5.2" (132)	OCLCHD50G4
12	SM, OS2	0.5" (13)	3.5" (89)	5.2" (132)	OCLCHDSM



OCLCHD50G3

Hubbell OptiChannel High Density Uni-Boot LC Patch Cords, OFNR Riser

Connector Type	Fiber Type	Color	Catalog No.
LC to LC	50µm, OM3	Aqua	HDPCLC50G3My
LC to SC	50µm, OM3	Aqua	HDPCLCSC50G3My
LC to LC	50µm, OM4	Aqua	HDPCLC50G4My
LC to SC	50µm, OM4	Aqua	HDPCLCSC50G4My

yy = 1, 2, 3, 4, 5, 6, 8, 10 meters.

Note: See page J4 for 12-fiber MTP to MTP cords.

See page J3 for custom configured MTP trunks.



HDPCLCSC50G3My

MTP to MTP 12-Fiber Round Cords, OFNP Rated Plenum

Fiber Type	Round Cords
50µm, OM3	FPCPMTP50G3Mxf
50µm, OM4	FPCPMTP50G4Mxf
50µm, OM2	FPCPMTP50Mxf
62.5µm, OM1	FPCPMTP62Mxf
SM, OS2	FPCPMTPSxf

x = Length in meters or feet (no zeros preceding value)

f = Feet (leave blank for meters)



Round MTP Cords



FCR3U12SP loaded with various FSP Series panels.



Cable Management

Enhanced front bend radius and cable management features.



Administration

New clip-on labeling system.



Flexibility

Enhanced inner tray for maximum flexibility.

HUBBELL Advantage

- Enhanced Cable Management Labeling and Bend Radius Control Features
- One-Piece Removable Cover and Magnetic Door for Ease of Use
- CSI Specifications and Drawings Available
- Wide Range of Panel and Cassette Options for Maximum Utility

Specifications

- Material: 16ga cold rolled steel
- Finish: durable black powder coat

Standards/Listings/Verifications

- EIA-310-E
- TIA-569-C



Hubbell OptiChannel Enhanced Rack Mounted Enclosures

Rack Units	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	FSP Panel Capacity	Splice Tray Capacity	Max LC Port Capacity	Catalog No.
1	1.75" (44)	17" (432)	17" (432)	3	2	72	FCR1U3SP
2	3.5" (89)	17" (432)	17" (432)	6	6	144	FCR2U6SP
2	3.5" (89)	17" (432)	17" (432)	9	6	216	FCR2U9SP
3	5.25" (133)	17" (432)	17" (432)	12	12	288	FCR3U12SP
4	7.00" (178)	17" (432)	17" (432)	15	16	360	FCR4U15SP

*Add "L" to the catalog number for locking version.

Note: FCR2U9SP does not accept Plug-n-Play OC Series cassettes.



FCR2U6SP



Front View, Labels

Hubbell OptiChannel NAFTA Series Rack Mounted Enclosures

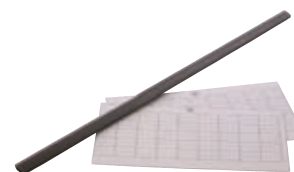
Rack Units	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	FSP Panel Capacity	Splice Tray Capacity	Max LC Port Capacity	Catalog No.*
1	1.75" (44)	17" (432)	17" (432)	3	2	72	FCR1U3SPNA
2	3.5" (89)	17" (432)	17" (432)	6	6	144	FCR2U6SPNA
2	3.5" (89)	17" (432)	17" (432)	9	6	216	FCR2U9SPNA
3	5.25" (133)	17" (432)	17" (432)	12	12	288	FCR3U12SPNA
4	7.00" (178)	17" (432)	17" (432)	15	16	360	FCR4U15SPNA

*All NAFTA versions supplied with lock.

Note: FCR2U9SPNA does not accept Plug-n-Play OC Series cassettes.



FCR3U12SPNA



LBLKTFCR2U12

Accessories

Description	Catalog No.
Label kit, 1U, with mounting clip (pack of 12)	LBLKTFCR1U12
Label kit, 2U, with mounting clip (pack of 12)	LBLKTFCR2U12
Label kit, 3U/4U, with mounting clip (pack of 12)	LBLKTFCR34U12
Cable management kit, bend radius clip (pack of 4)	FBRMGTCCLPK4
Label mounting clip (pack of 12)	LBLCLPFCR12



FBRMGTCCLPK4



FPR3SP loaded with FSPST6, FSPSCD3
and FSPSCD03 adapter panels.



- Cost Effective 1U Design in Pre-Punched or FSP Panel Mounting Configurations
- Hinged Swing-Out Drawer for Easy Installation and Access
- CSI Specifications and Drawings Available
- Low Density 1U Space-Saving Design

Specifications

- Material: 16ga cold rolled steel
- Finish: durable black powder coat
- Splice tray capacity: maximum 2

Standards/Listings/Verifications

- EIA-310-E
- TIA-569-C
- TIA-604-FOCIS

FPR – Pre-Punched Enclosures (Loaded)

Rack Units	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Connector Type	Port Capacity	No. of Adapters	Catalog No.*
1	1.75" (44)	17" (432)	11" (279)	ST-style	12	12	FPR012STM
1	1.75" (44)	17" (432)	11" (279)	ST-style	24	24	FPR024STM
1	1.75" (44)	17" (432)	11" (279)	SC duplex	12	6	FPR012SCM
1	1.75" (44)	17" (432)	11" (279)	SC duplex	24	12	FPR024SCM



FPR012STM



FPR012SCX



FPR024STX

FPR – Pre-Punched Enclosures (Unloaded)

Rack Units	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Connector Type	Port Capacity	No. of Adapters	Catalog No.*
1	1.75" (44)	17" (432)	11" (279)	ST-style	12	12	FPR012STX
1	1.75" (44)	17" (432)	11" (279)	ST-style	24	24	FPR024STX
1	1.75" (44)	17" (432)	11" (279)	SC duplex	12	6	FPR012SCX
1	1.75" (44)	17" (432)	11" (279)	SC duplex	24	12	FPR024SCX

Note: Contact Hubbell Premise Wiring for other configurations, custom made to order.
See page G8 for screw-mount SC duplex and LC quad adapters.

FPR – Pre-Punched Enclosures, FSP Panel Style (Unloaded)

Rack Units	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Panel Capacity	Maximum LC Port Capacity*	Catalog No.*
1	1.75" (44)	17" (432)	11" (279)	3	72	FPR3SP
1	1.75" (44)	17" (432)	11" (279)	3	72	FPR3SPNA*

*NAFTA version.

Note: See page G11 for FSP adapter panels.



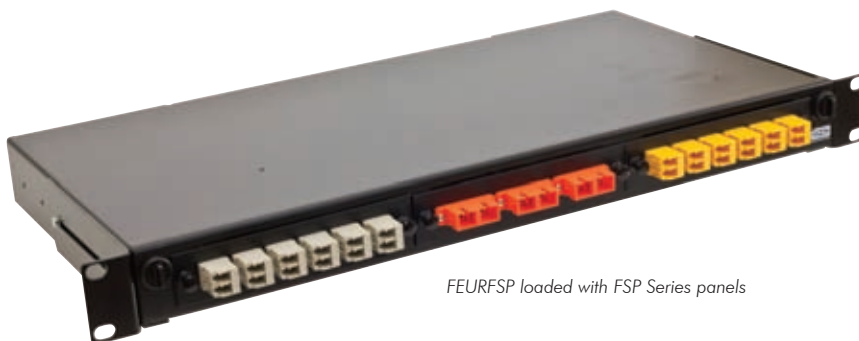
FPR3SP loaded with
FSP Series panels

Cable Management Bracket (Fits all FPR series panels)

Description	Catalog No.
Protective bracket/cable management bar	FPRBRKT1



FPRBRKT1



FEURFSP loaded with FSP Series panels



- Universal Economy 1U Rack Mount Design in Pre-Loaded Configurations
- Pull-Out Drawer for Convenient Access
- CSI Specifications and Drawings Available
- Low Density 1U Space-Saving Design

Specifications



- Material: 16ga cold rolled steel
- Finish: durable black powder coat

Standards/Listings/Verifications

- EIA-310-E
- TIA-569-C

FEUR Loaded Fiber Interconnection Shelf

Adapter Type	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Port Capacity	No. of Adapters	Catalog No.
LC quad; MM	1.75" (44)	17" (432)	8.6" (218)	12	3	FEUR12LCM
LC quad; MM	1.75" (44)	17" (432)	8.6" (218)	24	6	FEUR24LCM
LC quad; MM	1.75" (44)	17" (432)	8.6" (218)	48	12	FEUR48LCM
ST-style; MM	1.75" (44)	17" (432)	8.6" (218)	12	12	FEUR12STM
ST-style; MM	1.75" (44)	17" (432)	8.6" (218)	24	24	FEUR24STM
SC duplex; MM	1.75" (44)	17" (432)	8.6" (218)	12	6	FEUR12SCM
SC duplex; MM	1.75" (44)	17" (432)	11" (279)	24	12	FEUR24SCM

Note: Contact Hubbell Premise Wiring for other available configurations.

See page G8 for screw-mount SC duplex and LC quad adapters sold separately.



FEUR24STM



FEUR12SCM

FEUR Unloaded Fiber Interconnection Shelf

Adapter Type	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Maximum LC Port Capacity	Rack Units	Catalog No.
FSP adapter panels	1.75" (44)	17" (432)	8.6" (218)	72	1	FEURFSP

Note: See page G8 for screw mount SC duplex and LC quad adapters sold separately.

See page G11 for FSP adapter panels.



FEURFSP



FCR350SE

FCR350SE splice enclosure shown with splice trays and cables installed (front cover removed and tray extended). Splice trays sold separately.

HUBBELL Advantage

- Patented Gasketless Routing Knockouts
- Contractor-Friendly Installation, Labeling, Cable Management, and Splice Storage
- CSI Specifications and Drawings Available
- Wide Density Range to Consolidate Space

Specifications

- Material: 16ga cold rolled steel
- Finish: durable black powder coat

Standards/Listings/Verifications

- EIA-310-E
- TIA-569-C

Splice Enclosure and Hinged Rack Mount Splice Shelf

Rack Units	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Splice Tray Capacity	Catalog No.*
1	1.75" (44)	17" (432)	11" (279)	2	FSS01S
2	3.5" (89)	17" (432)	11" (279)	6	FCR350SE
2	3.5" (89)	17" (432)	11" (279)	6	FSS02S

Note: Splice trays not included.



FSS01S

Splice Trays

No. of Fibers	Height Inches (mm)	Width Inches (mm)	Length Inches (mm)	Type	Catalog No.*
12	.4" (10)	5" (127)	7" (178)	Fusion	STRAY12F
12	.4" (10)	5" (127)	7" (178)	Mechanical	STRAY12M
24	.4" (10)	5" (127)	10" (254)	Fusion	STRAY24F
24	.4" (10)	5" (127)	10" (254)	Mechanical	STRAY24M
144	.4" (10)	5" (127)	10" (254)	(12X12 Ribbon)	STRAY12RFS
144	.4" (10)	5" (127)	10" (254)	(12X12 Ribbon, Deep)	STRAY12RFSDP



STRAY24F



STRAY12F

Splice Protection Sleeves

Fiber Type	Sleeve Length	Cleave Length	Sleeve Diameter After Shrink	Catalog No.
Single, up to 900μm coating	40mm	10mm	3.1mm	FSHST401025
12-fiber ribbon	40mm	10mm	4.5mm	FRSHST401025



FSHST401025



FRSHST401025



FCW4SP loaded with FSP Series panels



- Versatile Design for Remote Locations
- Double Door Partitioned Access with Top or Bottom Cable Entry
- CSI Specifications and Drawings Available
- Wide Range of FSP Series Panel Options

Specifications

- Material: 16ga cold rolled steel
- Finish: durable black powder coat
- Accepts FSP Series panels

Standards/Listings/Verifications

- EIA-310-E
- TIA-569-C

FCW Wall Mount Cabinets, Double-Door, NAFTA Version

FSP Adapter Panel Capacity	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Enclosure Color	Splice Tray Capacity	Catalog No.
4	12" (305)	14" (356)	3.25" (83)	Black	(2) 7" (178)	FCW4SPNA*
4	12" (305)	14" (356)	3.25" (83)	Red	(2) 7" (178)	FCW4SPRDNA*
12	16" (406)	14" (356)	6.50" (165)	Black	(4) 10" (254)	FCW12SPNA*

*NAFTA version.

Note: For user's side, order separately either lock kit Catalog Numbers FLOCK1 or FLOCK2.

FCW Wall Mount Cabinets, Double-Door

FSP Adapter Panel Capacity	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Splice Tray Capacity	Catalog No.
4	12" (305)	14" (356)	3.25" (83)	(2) 7" (178)	FCW4SP
12	16" (406)	14" (356)	6.50" (165)	(4) 10" (254)	FCW12SP

Note: For user's side, order separately either lock kit Catalog Numbers FLOCK1 or FLOCK2.

FTU Wall Mount Cabinets, Single-Door

FSP Adapter Panel Capacity	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Splice Tray Capacity	Catalog No.
1	5.75" (146)	9.2" (234)	16.4" (417)	0	FTU1SP
2	8.5" (216)	10.6" (269)	2.5" (64)	0	FTU2SP
4	11" (279)	13.6" (345)	2.5" (64)	(2) 7" (178)	FTU4SP

Note: Use either lock kit; Catalog Numbers FLOCK1 or FLOCK2; order separately.

Accessories, Optional Lock Kit

Description	Catalog No.
Lock kit for cabinets keyed the same as the FCW technician side	FLOCK1
Lock kit for cabinets keyed differently than the FCW technician side	FLOCK2



FCW12SP



FTU4SP

