

Charles Fiber Rack Solutions (CFRS)

Flexible rackmount panels for Patch, Splice, and Splitter capabilities in a Fiber Optic Network

Charles Fiber Rack Solutions (CFRS) provide flexible, multi-functional panels for patch, splice and splitter requirements within virtually any application. The efficient design of the splice area and bulkhead allows for maximum density while using just 1RU, 2RU or 4RU of valuable rack space.

CFRS feature aluminum construction with a grey powder coated finish. A swing-out shelf allows technicians easy access to splice/splitter trays. A hinged tray design facilitates tray access without disturbing existing splices. The rear of the rack panel is open, with cable management railings to neatly organize fiber cable in rackmount enclosures. Panels are 19" EIA, with adaptable brackets for mounting in either 19" or 23" racks.

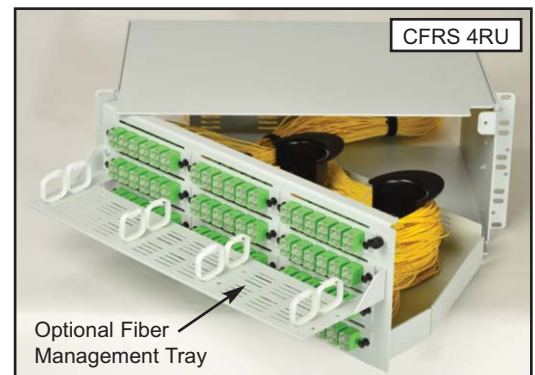


Applications

CFRS Panels are ideally suited for outside plant, central office, cell sites, CATV, MDU, MTSO or other environments where the customer requires fiber bandwidth for optical distribution/cross-connect.

Features

- Robust swing-out shelf for easy access to bulkheads and technician friendly splice area
- Sturdy yet lightweight aluminum construction
- Utilizes Charles Fiber Splice Trays (CFST) or Splitter Trays (hinged)
- Cable/bend radius management & multiple cable tie down locations
- 19" or 23" Mounting Brackets
- Scalable to help manage network growth / costs
- Pre-integrated configurations accelerate deployment
- Simple installation and ease of use
- Rugged overall construction and durability



Specifications

	CFRS 1RU	CFRS 2RU	CFRS 4RU
Dimensions (HxWxD):	1.75" x 17" x 11"	3.5" x 17" x 11"	7" x 17" x 14"
Weight:	5 lbs.	6 lbs	9 lbs
Rackspace:	1RU EIA	2RU EIA	4RU EIA
Construction:	Aluminum w/ Grey Powder Coat	Aluminum w/ Grey Powder Coat	Aluminum w/ Grey Powder Coat
Mounting:	Adaptable Brackets for 19" or 23" Racks	Adaptable Brackets for 19" or 23" Racks	Adaptable Brackets for 19" or 23" Racks
Connector Type:	SC or LC	SC or LC	SC or LC
Max Capacity:	24 SC / 48 LC Ports	48 SC / 96 LC Ports	144 SC / 288 LC Ports
Max Splice Trays:	2	4	12
Environmental:	0 to 90% Humidity (Non-Condensing), -40 to +65 °C Temp. Range	0 to 90% Humidity (Non-Condensing), -40 to +65 °C Temp. Range	0 to 90% Humidity (Non-Condensing), -40 to +65 °C Temp. Range
Compliance:	NEBS	NEBS	NEBS



CFRS Ordering Information

Part Number Configurator:

CFRS -

A

Panel Type

- C = Combo - Patch and Splice
- P = Patch Only (Patch Plates included only)
- S = Splitter
- T = Pre-Terminated
- Z = Empty Shelf

B

Rack Unit Height

- 1 = 1RU without front fiber mgmt. tray
- 2 = 2RU without front fiber mgmt. tray
- 4 = 4RU without front fiber mgmt. tray
- A = 1RU with front fiber mgmt. tray
- B = 2RU with front fiber mgmt. tray
- C = 4RU with front fiber mgmt. tray

C

Port Capacity

- 06 = 6 Ports
- 12 = 12 Ports
- 24 = 24 Ports
- 36 = 36 Ports
- 48 = 48 Ports
- 72 = 72 Ports
- 96 = 96 Ports
- AA = 144 Ports
- BB = 288 Ports
- XX = NONE

D

Patch Plate Style

- 01 = 6 Port SC/UPC
- 02 = 6 Port SC/APC
- 03 = 6 Port SC Multi-Mode (Beige)
- 04 = 8 Port SC/UPC
- 05 = 8 Port SC/APC
- 06 = 12 Port SC/UPC
- 07 = 12 Port SC/APC
- 08 = 12 Port LC/UPC
- 09 = 12 Port LC/APC
- 10 = 24 Port LC/UPC
- 11 = 24 Port LC/APC

E

Splitter Style & Qty.

- A = Qty. 1 1x8 Splitter Tray
- B = Qty. 1 1x16 Splitter Tray
- X = NONE

F

Splice Tray Type & Qty.

- 1 = 1 Hinged Splice Tray
- 2 = 2 Hinged Splice Trays
- 3 = 3 Hinged Splice Trays
- 4 = 4 Hinged Splice Trays
- 5 = 5 Hinged Splice Trays
- 6 = 6 Hinged Splice Trays
- 8 = 8 Hinged Splice Trays
- A = 10 Hinged Splice Trays
- B = 12 Hinged Splice Trays
- X = NONE

G

Fanout / Cable Stub Type

- A = Fanout, Loose-tube, 900 micron (Qty. to match patch plates)
- B = Fanout, Ribbon, 900 micron (Qty. to match patch plates)
- C = OSP Cable Stub, Armored, Loose Tube
- D = OSP Cable Stub, Armored, Ribbon
- E = OSP Cable Stub, All Dielectric Loose Tube Cable
- F = OSP Cable Stub, All Dielectric Ribbon Cable
- G = Indoor Loose Tube Plenum
- H = Indoor Loose Tube Riser
- I = Indoor Ribbon Plenum
- J = Indoor Ribbon Riser
- K = Indoor/Outdoor Loose Tube Plenum
- X = NO FIBER

H

Fanout / Cable Stub Length

- A = 10' (3 meter)
- B = 25'
- C = 50'
- D = 100'
- E = 150'
- X = NONE

Please call Charles Industries at 847-806-6300 for other additional options or custom configuration requirements.

CFRS Fiber Management Tray Accessory Kit

Part #: CFRS-CBLMNGKIT1



- Tray organizes and protects fanout cables
- Mounts to front of CFRS using existing hole placements
- Includes D-clips, ID labels and mounting hardware



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