Charles Fiber Rack Solutions (CFRS) 4RU

Flexible 4RU rackmount panel 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 CFRS 4RU maximizes density to provide up to 144 connections in just 4RU of rackspace. With front access to removable patch plates and rear access to up to 6 swing-out 4"x9" hinged splice trays, the CFRS 4RU offers accessibility and flexibility where its needed most in space constrained rack applications.

CFRS feature aluminum construction with a grey powder coated finish. Front and rear doors can be swung up or down, or removed completely through the use of upper and lower sets of retractable door hinges. Cable routing areas on the left and right sides of the panel facilitate cable routing and provide slack storage. Several factory-installed, internal fiber management kits and cable entrance grommets are also available (see ordering information for details).

CFRS 4RU Front View

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.

CFRS 4RU Rear View

Features

• Robust front and rear access shelf with swing-out splice or splitter trays
• Utilizes Charles Fiber Splice Trays (CFST) or Splitter Trays (hinged)
• Front and rear doors with retractable door hinges for easy door detachment/reattachment
• 19" or 23" Mounting Brackets
• Scalable to help manage network growth and costs
• Front and rear cable identification labels
• Pre-integrated configurations accelerate deployment
• Simple installation and ease of use
• Rugged aluminum construction to optimize durability with lightweight handling

Specifications

CFRS 4RU

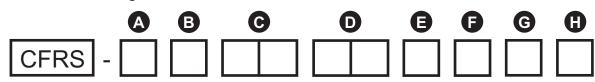|	
Dimensions (HxWxD):	7" x 17" x 18" (17.8cm x 43.2cm x 45.7cm)
Weight:	14 lbs. (6.35kg)
Rackspace:	4RU EIA
Construction:	Aluminum with Grey Powder Coated Finish
Mounting:	Adaptable brackets for 19" or 23" rack mounting
Connector Type:	SC or LC
Capacity:	144 ports
Environmental:	0 to 90% Humidity (Non-Condensing),
Range	-5 to +55 ºC Temperature Range
Compliance:	NEBS

MADE IN THE
USA

Charles

CFRS 4RU Ordering Information

Part Number Configurator:

A   B   C   D   E   F   G   H

CFRS - ☐ ☐ ☐☐ ☐☐ ☐ ☐ ☐ ☐

A
Panel Type

R = Rear Splice

B
Height (RU)

4 = Four Rack Units (4RU)

C
Port Capacity

24 = 24 Ports
48 = 48 Ports
72 = 72 Ports
96 = 96 Ports
AA = 120 Ports
BB = 144 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
XX = NONE

E
Splitter Style & Quantity / Internal Cable Management

A = Qty. 1 1x8 Splitter Tray
B = Qty. 1 1x16 Splitter Tray
C = 3x Cable Bend Controls Panel
D = D-Clips Panel
E = 4x Cable Attachment Posts Panel
X = NONE

F
Splice Tray Type & Quantity

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
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 = Cable Stub, Armored, Loose Tube
D = Cable Stub, Armored, Ribbon
E = Cable Stub, All Dielectric Loose Tube Cable
F = Cable Stub, All Dielectric Ribbon Cable
X = NO FIBER

H
Fanout / Cable Stub Length

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

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

Optional Internal Fiber Management Panels

Left:
3x Cable Bend Controls Panel

Middle:
D-Clips Panel (includes 8 D-Clips)

Right:
4x Cable Attachment Posts Panel

Internal Fiber Management Panels are factory pre-installed.

To order, specify choice of one panel in the "E" Column of Part Number Configurator (option codes C, D, or E).

Optional Fiber Entrance Grommets

Left:
Part #: CFRS-CBLMGKITR1
4 Sm. Grommets

Right:
Part #: CFRS-CBLMGKITR2
1 Lrg. Grommet

Optional Cable Manager Accessory Kit
Part #: CFRS-CBLMNGKIT4F

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

D-OSP167-B16