



Features and Benefits

High Density Fibre Cabinet to manage the cross connect. Designed with the network operator and installer in mind.

- Network installations made easy.
- Up to 912 Duplex ports in a 900mm (W) x 500mm (D) footprint, 45U Frame.
- Reduced installation time.
- Easy patching access.
- Maximises useable space and minimise footprint.
- Open construction for ease of cross-patching.
- Minimum bend radius maintained throughout system.
- Unique manifold and duct routing system which allows easy installation of cables.

High Density Management Fibre Panel

- 48 Ports in 1U – using unique ½ U trays.
- Unique , patent pending, pivoting, sliding & hinged tray.
- Integrated fibre & splice management.
- Integrated vertical finger management, front and rear.
- Optimised space for the operator to manage patch cords in the patch field.
- Accommodates loose tube & standard buffered fibre cables.
- Unique design using angled adapters for ease of fibre management.

PRODUCT DESCRIPTION

The Brand-Rex High Density Fibre Cabinet and Panel offers the ultimate solution for management of fibre in data centres and telecoms rooms. This is a ground breaking solution designed with an emphasis on minimising on-site installation times, accessibility to cabling and modularity to enhance its operational flexibility. The cabinet is the first fibre cabinet designed to solve the problems of today's networking environment. It provides unique working and cabling accessibility to totally transform cabinet installation layouts, onsite installation and on-going system management. The panel is a 1U 48 LC port panel that facilitates patch cord routing directly into the rack vertical side management. It is designed to pivot and hinge providing the control and security of a fixed panel but also allowing for increased access and usability.



The HDFC's open frame structure, without corner posts, provides virtually 360 deg total accessibility, prior to fitting panels and doors. This allows installer's maximum working access and the opportunity to greatly improve installation times. The elimination of corner posts also removes the need to excessively inset 17" mounting angles, achieving maximum working space. The unique design, which is 900mm wide by 500mm deep, allows extra space for cable management to the side of the 17" mounting angles. These mountings are designed with finger cable management every 1U, both front and back providing complete support to patch cords. At the rear of the cabinet you will find a complex tubing network and manifold system which allows the user the option to feed loose tube or buffered fibre through the tubing directly to a pre-determined panel 'U' position without the need to access the rear of the cabinet.

Combine this with the new Brand-Rex High Density Fibre Management Panel and your High Density Fibre Cabling solution is complete. The panel and cabinet were designed in parallel and therefore compliment each other, resulting in an increased rack density saving valuable space but also offering a panel that eases bending stresses on the fibres while maximising performance. This is made possible by using a panel that provides 48 ports in 1U with unique 1/2 U trays. These 1/2 U trays contain angled adaptors to ease patch cord management with tray in situ or hinged open. 35mm minimum bend radii is observed throughout the integrated fibre and splice management features. The tray design which pivots, slides and hinges open means there is no need to remove the panel from the rack to dress and work on the splices thus resulting in tray connectors remaining undisturbed in a live situation.

The complete solution works with fibre entering from the base of the cabinet passing through a manifold that adjoins the tubing network. These tubes then distribute the fibre to predetermined panel U positions. The key to its success is based on a system that combines the benefits of a cabinet that has been designed to accommodate the needs of a modern networking environment and a panel that will revolutionise the way installations are accomplished.

Allowing 7U for the manifold and drawer the 45U rack and panel accommodates up to 912 duplex adaptor ports of patching.

1. View of manifold cable entry.



2. Close up of manifold cable entry.



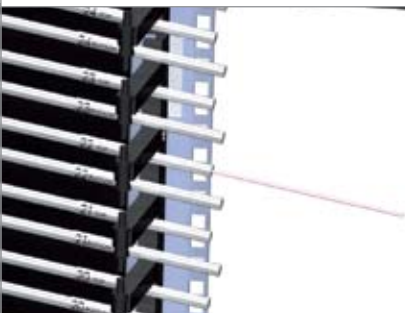
3. View of rear tubing network.



4. Close up of rear tubing network.



5. Cable exit from tubing network.



6. Connection of tubing network to high density fibre panel.





PRODUCT CHARACTERISTICS

Applications

- Corporate and Internet Datacentres.

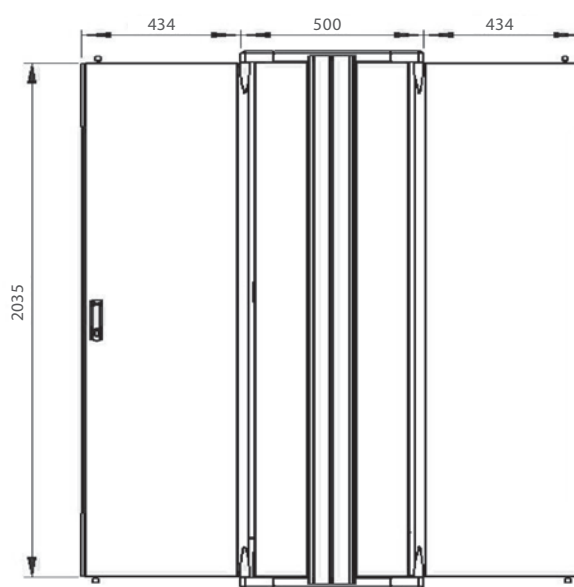
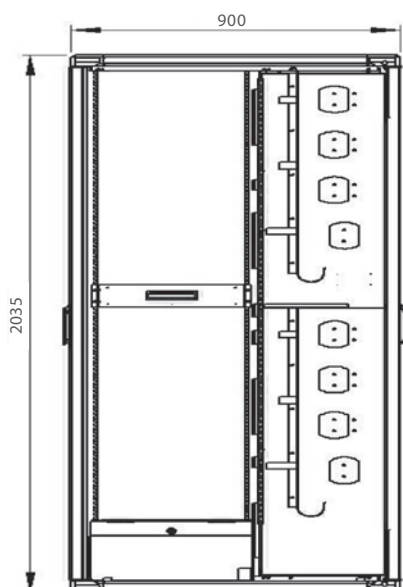
Installation

- Suitable for use with approved Brand-Rex Fibre patch panels, patch cords and cable management products.

MECHANICAL SPECIFICATIONS

Dimensions / Weight

- 900mm (W) × 2133mm (H) × 500mm (D)
- 110kg (Including accessories, doors, top and side panels, without fibre patch panels)



Full assembled racks including all panels and part no's (loaded and part loaded)

Item	Part Number	Description
1	DRCRAK45U0905F12	Configuration 1 - Stand Alone HDFC – 1 x Standard High Density Fibre Cabinet (HDFC) Frame DRCRAK45U0905FX2 - 45U x 900mm (W) x 500mm (D) - Black (Including Double Doors, Side Panels, Top Panel, U Label, Document Wallet)
2	DRCRAK45U0905F22	Configuration 2 - 'Back to Back' HDFC – 2 x Standard High Density Fibre Cabinet (HDFC) Frame DRCRAK45U0905FX2 - 45U x 900mm (W) x 500mm (D) – Black (Including Double Doors, Side Panels, Top Panels, Centre Panels, Baying Kits, U Labels, Document Wallets)
3	DRCRAK45U0905F32	Configuration 3 - 'Side to Side' HDFC – 2 x Standard High Density Fibre Cabinet (HDFC) Frame DRCRAK45U0905FX2 - 45U x 900mm (W) x 500mm (D) - Black (Including Double Doors, Side Panels, Top Panels, Bolt together Kits, U Labels, Document Wallets)
4	DRCRAK45U0905F42	Configuration 4 - 'Back to Back' and 'Side to Side' HDFC – 4 x Standard High Density Fibre Cabinet (HDFC) Frame DRCRAK45U0905FX2 - 45U x 900mm (W) x 500mm (D) - Black (Including Double Doors, Side Panels, Top Panels, Centre Panels, Baying Kits, Bolt Together Kits, U Labels, Document Wallets)
5	DRCRAK45U0905H52	Configuration 5 - 'Back to Back' HDC and HDFC Frame – 1 x Standard High Density Fibre Cabinet (HDFC) Frame DRCRAK45U0905FX2 and 1 x Standard HDC Frame DRCRAK45U0905A2 - Black (Including Double Doors, Side Panels, Top Panels, Centre Panels, Baying Kits, U Labels, Document Wallets)

HIGH DENSITY FIBRE CABINET

Individual parts and accessories

8	DRCRAK45U0905F2	Standard High Density Fibre Cabinet (HDFC) Frame - 45U x 900mm (W) x 500mm (D) - Black
9	DRCRAK45U0905FX2	Standard High Density Fibre Cabinet (HDFC) Frame - 45U x 900mm (W) x 500mm (D) - Black (including pallet and Accessories marked * below)
10	DRCROR45U09DS2	High Density Fibre Cabinet (HDFC) Double Steel Doors 45U x 900mm Wide - Black
11	DRCROR45U09SS2	High Density Fibre Cabinet (HDFC) Plain Steel Door 45U x 900mm Wide - Black
12	DRCSP45U05DS2	1 set of High Density Fibre Cabinet (HDFC) Plain Side Panels 45U x 500mm Deep - Black (1 side only-2 Required for L&R)
13	DRCTPL45U0509B2	High Density Fibre Cabinet (HDFC) Brush Top Panel 900mm Wide x 500mm Deep - Black
14	DRCLBL47U001	Self Adhesive Unit Height Labels - Bottom to Top (1-47)
15	DRCKITB8001	High Density Fibre Cabinet (HDFC) Back to Back Baying Kits (Pair) - Black (includes 2 for top & bottom)
16	DRCSP45U04SS2	High Density Fibre Cabinet (HDFC) 45U Centre Side Panel - Black
17	DRCACCDW001	Document Wallet
18	DRCFPBB152	High Density Fibre Cabinet (HDFC) 2 Bay Back to Back Computer Floor Plinth (Inc. 2 x Brush)
19	DRCKITBT001	Bolt Together Kit
20	BRRACBFKit	Cage Nut Kit (inc.M6 Pan Head Screws, Washers, Nuts)
21	DRCBPL1U172	17" 1U Blanking Panel
22	DRCBPL2U172	17" 2U Blanking Panel
23	DRCBPL5U172	17" 5U Blanking Panel
24	DRCBPL45U09SS1	High Density Fibre Cabinet (HDFC) Plain Steel Back Panel 45U x 900mm Wide - Black
25	DRCKITFLR001	Floor Fixing Kit for HDC/FOX Racks (Concrete Floor)
26	DRCFC075022	Flexible Cable Tidy 75mm x 75mm x 22mm - Part of assembly DRCRAK45U0905FX2 *
27	DRCFGT002	Fibre Guide (Top) - Part of assembly DRCRAK45U0905FX2 *
28	DRCFGB002	Fibre Guide (Bottom) - Part of assembly DRCRAK45U0905FX2 *
29	DRCFPLT002	Fibre Panel (Top) - Part of assembly DRCRAK45U0905FX2 *
30	DRCFPLB002	Fibre Panel (Bottom) - Part of assembly DRCRAK45U0905FX2 *
31	DRCFBLK	Fibre Bottom Lock - Part of assembly DRCRAK45U0905FX2 *
32	DRCFMDC002	Manifold Cover - Part of assembly DRCRAK45U0905FX2 *
33	DRCFMD002	Cable Manifold - Part of assembly DRCRAK45U0905FX2 *
34	DRCFCHS002	Cable Hoop (Small) - Part of assembly DRCRAK45U0905FX2 *
35	DRCFMSPL002	Rear Manifold Support Panel - Part of assembly DRCRAK45U0905FX2 *
36	DRCFCS002	RCM Cable Spool - Part of assembly DRCRAK45U0905FX2 *
37	DRCFCHB002	Rear Cable Hoop Bracket - Part of assembly DRCRAK45U0905FX2 *
38	DRCFST017002	17" Sliding Tray - Part of assembly DRCRAK45U0905FX2 *
39	20-0118-00	Rear Manifold Tubing Network (195m per cabinet) - Part of assembly DRCRAK45U0905FX2 *
40	MP10	M10 Gland - Part of assembly DRCRAK45U0905FX2 *
41	ML10	M10 Lock Nut - Part of assembly DRCRAK45U0905FX2 *
42	DRCLBLTN001	Tubing Labels (per tube) - Part of assembly DRCRAK45U0905FX2 *
43	DRCLBLMAN001	Manifold Label (Top and Bottom) - Part of assembly DRCRAK45U0905FX2 *
44	FPCPC1XMM48LC2	High Density Fibre Management Panel, 48 LC Ports, 1U Dual cassette, part loaded with 12 x Quad LC Multi-mode adaptors & glands - Black
45	FPCPC1XSM48LC2	High Density Fibre Management Panel, 48 LC Ports, 1U Dual cassette, part loaded with 12 x Quad LC Single-mode adaptors & glands - Black
46	FPCPC100848LC2	High Density Fibre Management Panel, 48 LC Ports, 1U Dual cassette, part loaded with 12 x Quad LC Single-mode adaptors (BHCL45M001) & 48 x Simplex 900µm 008/125 PIGTAIL LC Easy Strip 2m (HOTLC008302) - Black
47	FPCPC1OM348LC2	High Density Fibre Management Panel, 48 LC Ports, 1U Dual cassette, part loaded with 12 x Quad LC Multi-mode adaptors (BHCL4MM001) & 48 x LC OM3 50/125 Pigtail Easy Strip 2m (HOTLCOM3302) - Black

The information contained in this document is valid and correct at the time of issue.
However, we reserve the right to modify details without notice in the light of subsequent
Standard / Specification changes and ongoing technical developments.
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