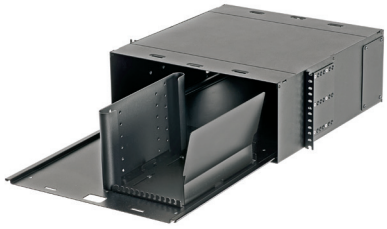
HD Fusion Fiber Splicing Enclosure

PANDUIT®

SPECIFICATION SHEET

specifications

The Fiber Optic Splice Enclosure shall house, organize, manage and protect the delicate fusion splice connections. It shall accommodate large count fiber optic cables typically coming in from outside of the building to fibers in other, often smaller count, fiber optic cables within the data center. Large count fiber optic cables are comprised of a multitude of fibers which can be individual or arranged as ribbons.



technical information

Part Number:	FRMHSS-4RU
Mounting:	Integral mounting flange for installation in 19" wide EIA-310 racks
Material:	Steel and plastic

key features and benefits

Cable Organization	The cables inside are organized such that any splicing tray can be removed without disturbing the cabling for the other splicing trays.
Versatile Access	The splicing trays can be accessed from the front or the back of the enclosure. Cable entry can be accessed on the right or the left of the enclosure.
Rotational Capabilities	The rotational characteristic of the splice trays allows the user to easily sort through the splice trays
Removable Panel Doors	The removable panel doors (rear and front) serve as holding surfaces for the splice trays
Panel Doors Double as a Holding Surface	The upper latches of the removable panel doors are designed be inserted into the cutouts in the sliding tray, so that the removable panel can be attached to the sliding tray and serve as a holding surface for a splicing tray. The front of the sliding tray also includes cutouts, so that the front removable panel can also be used as a holding surface, in a scenario where the sliding tray is pulled out the front.

applications

As large fiber count cables enter the data center, a need for fiber distribution products to manage these cables has become apparent. Cables are spliced to take large fiber count cables and break them down into manageable fiber count cables and/or to transition them into cable types that are required for use inside the data center (this must be done within 50’ after outside cable is brought into the data center). Data centers deploy several different solutions to accomplish this. The rack mount enclosure is the smallest option for splicing and is designed to fit in existing 19” TIA racks. This option allows for a modular deployment of a splicing solution, also known as “Pay as You Grow.” The desired splicing density for this solution matches that of the wall mount and splice cabinet, but with a lower capacity due to the smaller footprint of the enclosure.

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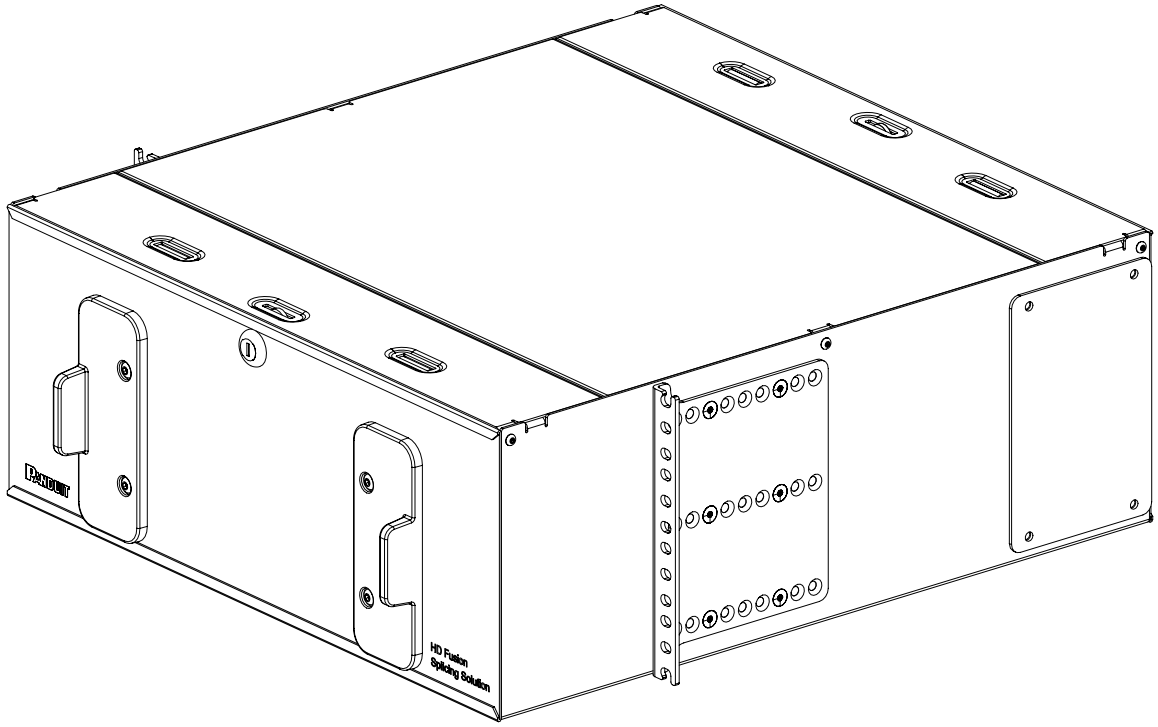
fiber capacity

	Single fiber	Ribbon fiber
4RU Rack Enclosure	Up to 576 fibers	Up to 864 fibers

diagram



WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

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