# Fibre Distribution Hub

## Overview

RitchField Direct Splicing Cabinets are designed to splicing and storing optical fibres between incoming outside plant cables and building cables. Fibre bend limiting brackets and retaining rings that protect, route, and organize the fibre cables are also included. The cabinets accommodate either moisture-tight cable connectors or hole seals. Its compact design makes it ideal for use in industrial applications

## Features

- Equipped with mounting brackets for wall mounting and 19" mountin
- Steel construction with document holder, bottom holes with brush.
- Handles cable sizes suitable for 13-18mm cables.
- It can accommodate up to 32pcs splice trays and 8sets splice tray ba
- 2x32 bare splitter can be hold in the splice tray.
- Splice parts can be removed individually.
- Have ground system on the cable inlet plate.
- It has a removable, lockable double section door.
- Ambient temperature range: -40°C ~ +55°C.
- Humidity: ≤90% (at 30 °C)
- Air Pressure: 70kpa ~ 101kpa (similar to 0m ~ 5000m altitude).
- Standard version is equipped with: document holder, direct splicing trays and cable glands.
- Optional versions can contain: splitters

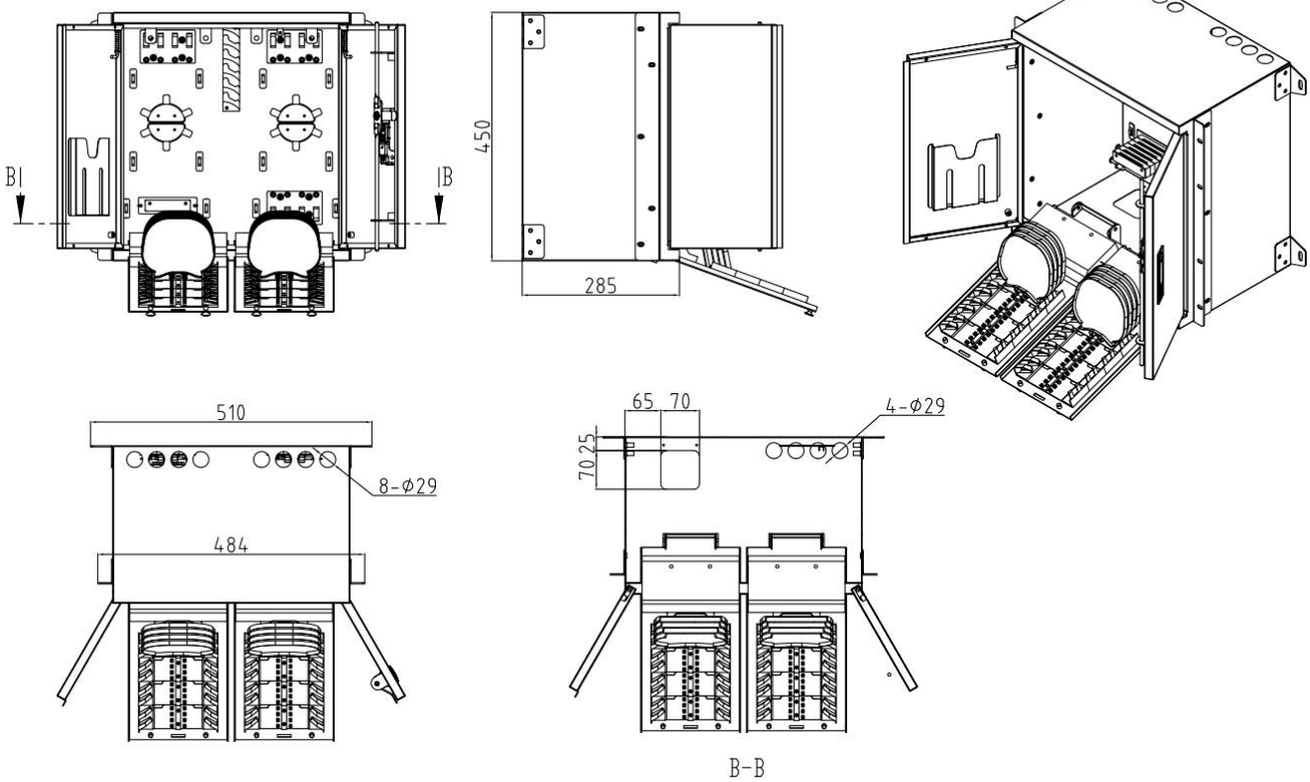
## Standards

| | |
|---|---|
| **HUB casing** | EN 60529 / DIN VDE 0470-1 |
| **Vibration- & shock Transport** | IEC 60068-2-64 / IEC 60068-2-7 |
| **Operation** | IEC 61300-2-1 |
| **Temperature change and damp heat** | IEC 61300-2-22 / IEC 61300-2-19 |
| **Impact Test** | UL 1863, No. 34 |

## Cabinet Specifications

| | |
|---|---|
| **Dimension(W*H*D)mm** | 450x484x285mm |
| **Ingress Protection** | IP30 |
| **Material** | Cold rolled steel |
| **Surface finishing** | Powder painted as required |
| **Installation** | 19" or Wall mounted (optional) |
| **Configuration** | Document holder, splicing trays, cable glands, splitters |
| **Capacity** | 384 core for bundle cable |
| **Cable grand** | PG 21 |

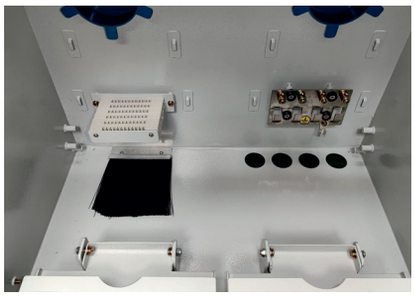
## Drawing



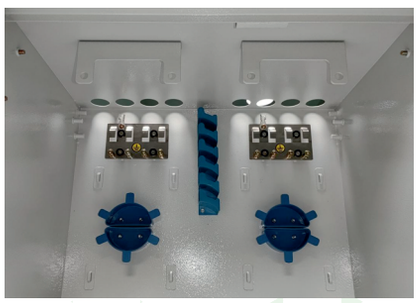

Full View

Open View 1

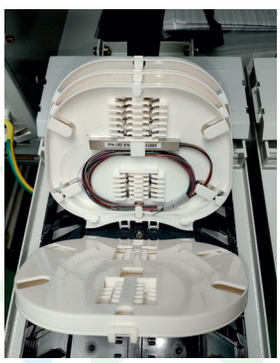
Open View 2



Open View 3



Open View 4



Splicing Splitter

## Optical Performance - 2 x 32 PLC Splitter

| | |
|---|---|
| Operating Wavelength (nm) | 1260 ~ 1650 |
| Insertion Loss (Max dB) | 17.5 |
| Uniformity (Max dB) | 1.5 |
| Polarization Dependent Loss (Max dB) | 0.3 |
| Return Loss (Min dB) | 55 |
| Directivity (Min dB) | 55 |

## Mechanical Specifications - 2x32 PLC Splitter

| | |
|---|---|
| Case Dimensions (W x H x L mm) | 7 x 4 x 60 |
| Splitter Case Material | Stainless Steel |
| Fiber Type (IN and OUT) | G.657A1 |
| Input Type | 2ea of 250um bare fibers |
| Input Fiber Length (mm) | 1,000 |
| Output Fiber Type | 4ea of 8 core ribbons |
| Output Fiber Length (mm) | 1000 |
| Output Fiber Colors in each bundle | Blue, Orange, Green, Brown, Gray, White, Red and Black |
| Connectors (IN and OUT) | None |

# Ordering Information

| Part Number | Product Description |
|---|---|
| RF2A-FDH-PL64 | Fibre Distribution Hub, splicing splitter & splice tray for 64 cores (2 x 2:32 PLC Splitter and 8 x splice trays) |
| RF2A-FDH-PL96 | Fibre Distribution Hub, splicing splitter & splice tray for 96 cores (3 x 2:32 PLC Splitter and 12 x splice trays) |
| RF2A-FDH-PL128 | Fibre Distribution Hub, splicing splitter & splice tray for 128 cores (4 x 2:32 PLC Splitter and 16 x splice trays) |
| RF2A-FDH-PL192 | Fibre Distribution Hub, splicing splitter & splice tray for 192 cores (6 x 2:32 PLC Splitter and 24 x splice trays) |
| RF2A-FDH-PL256 | Fibre Distribution Hub, splicing splitter & splice tray for 256 cores (8 x 2:32 PLC Splitter and 32 x splice trays) |