Description

The rack mount splice and termination boxes (Fig. 1) perform fiber splicing, distribution, termination, patching, storage and management in one unit. They support both cross-connect and interconnect architecture, and provide interfaces between outside plant cables and transmission equipment.

The box has economical design with a removable top cover allowing the access of the splice tray(s) from the top as shown in Fig. 2. Additional splice trays (Fig. 3) can be stacked on top to increase capacity. Each splice tray can accommodate up to 24 single fiber splice protection sleeves (with diameter of 2.3mm) or 6 ribbon splice protection sleeves. Splice trays can be opened individually and removed from the box. Excess length of cables/pigtails is stored in reels. The outside-plant cable input ports are located at the rear panels.

The splice and termination boxes are rack mountable in standard 19" or ETSI (515mm) equipment rack, and are available in Rack Unit of 1 or 2.

The box accepts various adapter types. The box with height of 1 or 2 Rack Unit has a capacity of 24 or 48 for SC, ST and FC, and a capacity of 48 or 96 for LC and MTRJ.

Features

- 19", ETSI or 23" rack mount
- Provides fiber splicing, termination, management and storage in one unit
- Economical design
- High density - up to 48 fibers for a 1U unit and 96 fibers for a 2U unit when LC is used
- Replaceable front adapter panel
- Supports single and ribbon fiber splices
- Removable top cover
- Made from cold-rolled carbon steel sheets
- Guaranteed fiber bend radius >30mm
Applications

- Interconnects
- Cross-connects
- Independent service providing
- CATV networks
- Main distributions
- Intermediate distributions
- Telephone closets

Specifications

<table>
<thead>
<tr>
<th>Distribution Enclosures</th>
<th>ODF-RB1</th>
<th>ODF-RB2</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Rack Units</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Max Capacity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connectors with 2.5mm ferrules</td>
<td>24 fibers</td>
<td>48 fibers</td>
</tr>
<tr>
<td>Connectors with 1.25mm ferrules</td>
<td>48 fibers</td>
<td>96 fibers</td>
</tr>
<tr>
<td>Max. No. of Splice Trays</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Weight</td>
<td>3kg</td>
<td>4.5kg</td>
</tr>
<tr>
<td>Dimension with brackets*1</td>
<td>45x482x300 mm³</td>
<td>90x482x300 mm³</td>
</tr>
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</table>

Splice Trays

<table>
<thead>
<tr>
<th>Splice Protection Sleeve Type</th>
<th>Single Fiber, 3mm dia.</th>
<th>Single Fiber, 2.3mm dia.</th>
<th>Ribbon Fiber</th>
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</thead>
<tbody>
<tr>
<td>Max. No. of Protection Sleeves</td>
<td>12</td>
<td>24</td>
<td>6</td>
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*1 Dimensions are HxWxD. The bracket width is for 19" rack. See drawing below for bracket widths for ETSI and 23" rack.

Dimensional Drawing

Unit in mm
# Ordering Information

<table>
<thead>
<tr>
<th>Part Number: <strong>ODF-RB 1 FC R 24 S</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>1</strong> Product Type</td>
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<tr>
<td><strong>2</strong> Size</td>
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<tr>
<td><strong>3</strong> Adapter Type</td>
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<tr>
<td><strong>4</strong> Adapter Grade</td>
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<tr>
<td><strong>5</strong> Number of Ports</td>
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<tr>
<td><strong>6</strong> Bracket Type</td>
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<tr>
<td><strong>7</strong> Custom Code</td>
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</tbody>
</table>

*2 2.3mm diameter splice protection sleeves are used. 3mm diameter sleeves are used for others.
## Part Number Examples

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODF-RB1FCR12S</td>
<td>Distribution enclosure, 1U, 19&quot; rack mount, 12 SM FC adapters loaded, for</td>
</tr>
<tr>
<td></td>
<td>single fiber splicing.</td>
</tr>
<tr>
<td>ODF-RB1SA2R24E</td>
<td>Distribution enclosure, 1U, ETSI rack mount, 12 SM SC/APC duplex adapters</td>
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<td>loaded, for single fiber splicing.</td>
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<tr>
<td>ODF-RB1LC2K48S</td>
<td>Distribution enclosure, 1U, 19&quot; rack mount, 24 MM LC duplex adapters loaded,</td>
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<tr>
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<td>for single fiber splicing.</td>
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<tr>
<td>ODF-RB2STK48W</td>
<td>Distribution enclosure, 2U, 23&quot; rack mount, 48 MM ST adapters loaded, for</td>
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<td>single fiber splicing.</td>
</tr>
<tr>
<td>ODF-RB2MRK96S</td>
<td>Distribution enclosure, 2U, 19&quot; rack mount, 48 MM MTRJ adapters loaded, for</td>
</tr>
<tr>
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<td>single fiber splicing.</td>
</tr>
<tr>
<td>ODF-ST12</td>
<td>Splice tray for single fiber splice, 12 splice protection sleeves included.</td>
</tr>
<tr>
<td>ODF-ST24</td>
<td>Splice tray for single fiber splice, 24 splice protection sleeves included.</td>
</tr>
<tr>
<td>ODF-ST48R</td>
<td>Splice tray for ribbon fiber splice, 4 splice protection sleeves included.</td>
</tr>
<tr>
<td>ODF-ST72R</td>
<td>Splice tray for ribbon fiber splice, 6 splice protection sleeves included.</td>
</tr>
<tr>
<td>ODF-BKS</td>
<td>Mounting bracket for standard 19&quot; rack.</td>
</tr>
<tr>
<td>ODF-BKE</td>
<td>Mounting bracket for ETSI rack.</td>
</tr>
<tr>
<td>ODF-BKW</td>
<td>Mounting bracket for 23&quot; rack.</td>
</tr>
</tbody>
</table>