

## ODF Flex Rack System

**Prysmian Part Numbers: See below**



The ODF Flex Rack System is a modular rack system for use in the exchange or communications room. The rack system consists of modular vertical pillars and sub-racks. Each vertical pillar can accommodate up to six sub-racks and each sub-rack has a capacity of 144 fibres on a splice and patch basis, providing a total capacity of 864 fibres per vertical rack pillar. Other pillars are simply added when required. Vertical pillars and sub-racks are available for network cable termination (splice and patch) and equipment cable termination (patch only). Perimeter kits are available to protect the rack from damage from trollies or other exchange vehicles.

### Features and Benefits

- A modular rack system for use in the exchange or communications room.
- The rack is made up of vertical pillars which can be assembled together to achieve the required capacity.
- Each vertical pillar can accommodate up to 6 sub-racks.
- Two types of sub-rack are available – splice and patch (Network) and patch only (Equipment).
- Network sub-racks are supplied with SC/APC pigtailed and adapters. Equipment sub-racks are supplied with SC/APC adapters.
- Each sub-rack contains six module trays. Each module tray houses two 12 fibre splice trays. Each module tray can accommodate up to 24 fibres and 24 pigtailed and adapters.
- The total capacity of each sub-rack is 144 fibres providing a total capacity per rack pillar of 864 fibres.
- Network cables are terminated using cable breakout units (BEMS) which are anchored to cable anchor plates located on the network rack pillars.
- Equipment patch cords or pre-terminated cables are anchored to cable anchor plates located on the equipment rack pillars.
- The racks have multiple built in raceways for patch cord routing and bend management.
- The rack is constructed of steel powder coat painted black.

### Kit Contents

The ODF Flex Rack System is sold in modular units.

For the start of a new suite a First Pillar Kit is required.

Subsequent pillars are then purchased as either Network or Equipment Pillars.

In addition Perimeter Kits can be purchased to protect the area around the rack suite.

Up to six sub-racks can be mounted to each vertical pillar. Network and Equipment sub-racks are available.

For details of each part and part numbers see pages 3 and 4.

### Additional Items

- ODF Flex BEM
- Splice Protectors

## Technical Data

- Sub-Rack Fibre Capacity: 144
- Sub-Rack Connector Capacity: 144 x SC Type
- Pillar Sub-Rack Capacity: 6
- Pillar Fibre Capacity: 864
- Pillar Connector Capacity: 864 x SC Type
- Pillar Dimensions: (h) 2240 x (w) 540 x (d) 500
- Four Pillar Rack Dimensions: (h) 2240 x (w) 1700 x (d) 784  
(as per photo on page 1)
- Material:
  - Pillar: Mild Steel
  - Sub Rack: Mild Steel
  - Splice Trays: FR ABS
  - Perimeter Kit: Mild Steel
- Finish:
  - Pillar: Painted Black
  - Sub-Rack: Painted Grey RAL 7035
  - Splice Trays: Grey RAL 7035
  - Perimeter Kit: Zinc Plated

## Logistics

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| <ul style="list-style-type: none"> <li>• Packing Dimensions:           <ul style="list-style-type: none"> <li>• First Pillar Kit: (370 x 380 x 2400) + (550 x 105 x 780)</li> <li>• Network Pillar Kit: 370 x 380 x 2400</li> <li>• Equipment Pillar Kit: 370 x 380 x 2400</li> <li>• Network Sub-Rack: 335 x 315 x 280</li> <li>• Equipment Sub-Rack: 335 x 315 x 280</li> <li>• Perimeter Kit: 900 x 150 x 60</li> <li>• End Perimeter Kit: 1575 x 305 x 135</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Weight:           <ul style="list-style-type: none"> <li>• First Pillar Kit: 56Kg</li> <li>• Network Pillar Kit: 50Kg</li> <li>• Equipment Pillar Kit: 50Kg</li> <li>• Network Sub-Rack: 8Kg</li> <li>• Equipment Sub-Rack: 8Kg</li> <li>• Perimeter Kit: 1.5Kg</li> <li>• End Perimeter Kit: 10Kg</li> </ul> </li> </ul> |
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## Part Numbers

### First Pillar Kit

The ODF Flex First Pillar Kit is used when starting a new suite of racks. The kit contains a first vertical network pillar for mounting up to six network sub-racks. The kit also contains an end perimeter kit, which is used to protect the area around the rack, to prevent any damage from trolleys or other equipment that may be moving around the exchange.

### Network Pillar Kit

The ODF Flex Network Pillar Kit is a vertical network pillar for mounting up to six sub-racks. The kit contains the vertical pillar complete with cable anchor brackets for securing the network cables. The kit also contains the cross members to mount the pillar to an existing pillar within the rack suite.

### Equipment Pillar Kit

The ODF Flex Equipment Pillar Kit is a vertical network pillar for mounting up to six sub-racks. The kit contains the vertical pillar complete with anchor brackets for securing the equipment patch cords or pre-terminated cables. The kit also contains the cross members to mount the pillar to an existing pillar within the rack suite.

### Network Sub-Rack

The Network Sub-Rack is a splice and patch sub-rack used to terminate the network cables to SC/APC pigtailed and adapters. The sub-rack contains six module trays that each contain 24 SC/APC pigtailed and adapters routed over two splice trays. The Network Sub-Rack has a total capacity of 144 fibres and up to six sub-racks can be mounted to each vertical rack pillar.

### Equipment Sub-Rack

The Equipment Sub-Rack is a patch only sub-rack used to terminate the equipment patch cords or pre-terminated cables to SC/APC adapters. The sub-rack contains six module trays that each contain 24 SC/APC adapters routed over two splice trays. The Equipment Sub-Rack has a total capacity of 144 fibres and up to six sub-racks can be mounted to each vertical rack pillar.

### Perimeter Kit

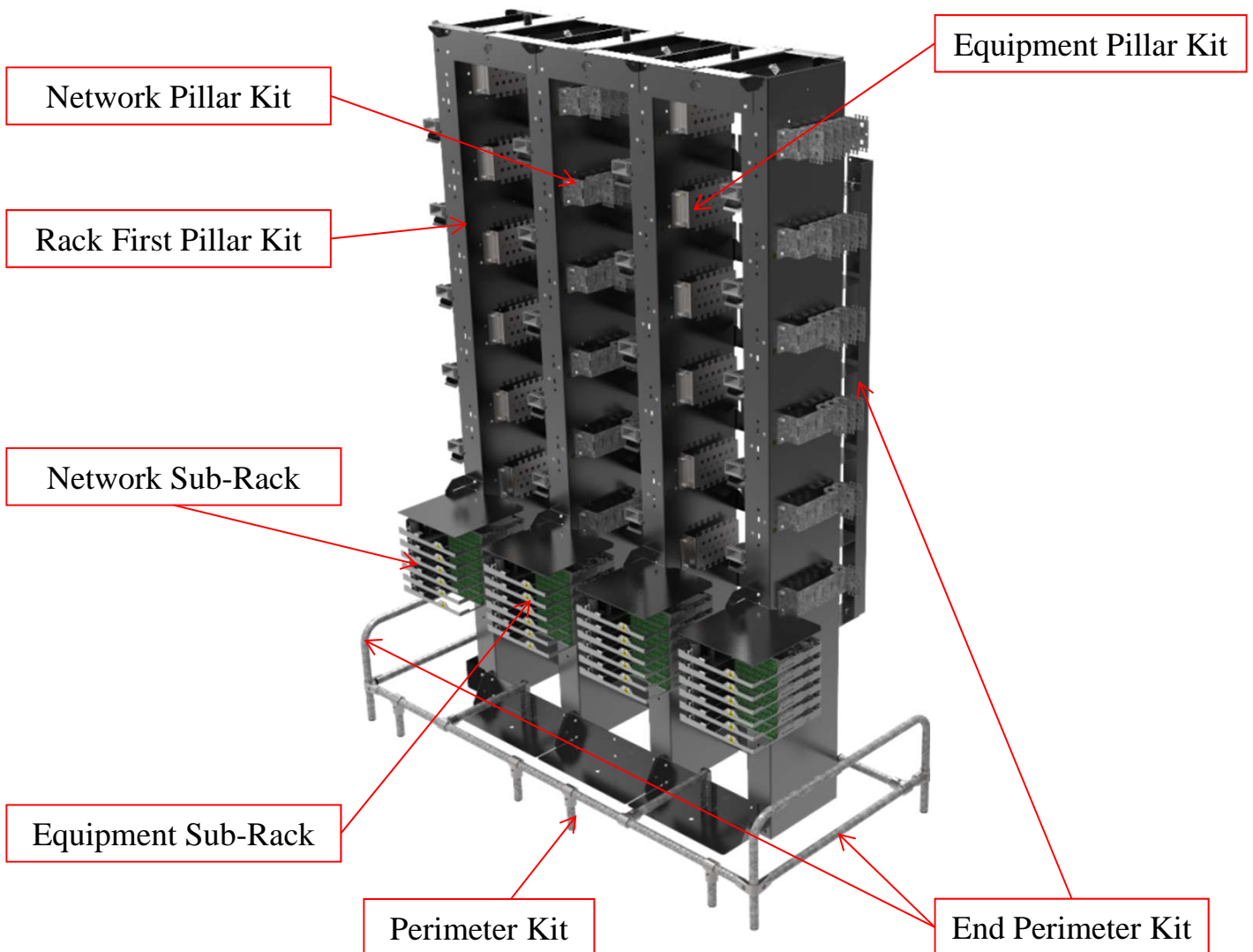
The Perimeter Kit is a tubular construction that sits in front of the rack suite to prevent any damage to the rack from passing trolleys or vehicle within the exchange. One perimeter kit is required for each two vertical pillars within the rack suite.

### End Perimeter Kit

The End Perimeter Kit is supplied with the ODF Flex First Pillar Kit. It is used along with the Perimeter Kit to protect the area around the rack from damage from passing trolleys or vehicles within the exchange. As the kit is already supplied with the First Pillar Kit this kit is only required as a retrofit item for any existing rack suites that do not already have the perimeter kit installed.

## Part Numbers

PART No.	DESCRIPTION
<b>XEXSC02501</b>	ODF FLEX FIRST PILLAR KIT
<b>XEXSC02349</b>	ODF FLEX NETWORK PILLAR KIT
<b>XEXSC02352</b>	ODF FLEX EQUIPMENT PILLAR KIT
<b>XEXSC02350</b>	ODF FLEX NETWORK SUB-RACK
<b>XEXSC02351</b>	ODF FLEX EQUIPMENT SUB-RACK
<b>XEXSC02441</b>	ODF FLEX PERIMETER KIT
<b>XEXSC02412</b>	ODF FLEX END PERIMETER KIT



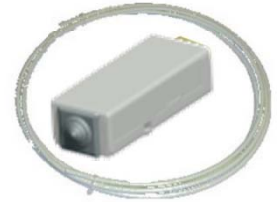
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## Additional Items

### ODF Flex BEM

The ODF Flex BEM Cable Clamp is used to anchor a cable to one of the mounting brackets within the rack. One BEM is already supplied with each Network Sub-Rack and this item is intended as a spare or replacement only.

The BEM is suitable for cables between 36 and 192 fibres. The unit is used to breakout the fibre elements and route them via transport tube to the appropriate sub-rack module. 12 metres of routing tube is supplied with the BEM.



**Prysmian Part Nos.: XEXSC02514**

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### Splice Protectors

Splice protectors are used to protect the fibre splice. They are 2.4mm in diameter and 45mm in length. Only needed for applications where more than 4 splices are required.



**Prysmian Part No. - XPESC00031 (pack of 50)**

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Please contact your local sales office listed on [www.prysmiangroup.com](http://www.prysmiangroup.com)

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