

## Modular Main Rack

**Prysmian Part Number: See Below**



The Modular Main Rack (MMR) is a standard ETSI rack, composed of three independent frames, two Side Channels (left and right) and the Main Frame. The main frame allows the mounting of the Sliding Sub-rack (SSR) series. Three types of Sliding Sub-Rack are available, a Splicing Sub-Rack (SSR-S), a Patching Sub-Rack (SSR-P) and a Splicing and Patching Sub-Rack (SSR-SP).

Each Sliding Sub-Rack is 3U in height. The SSR-S can accommodate up to 300 splices. The SSR-P can accommodate up to 72 connectors and the SSR-SP can accommodate up to 72 splices and connectors. Up to 14 Sliding Sub-Racks can be fitted in the MMR.

## Features and Benefits

- ETSI standard rack used to accommodate Sliding Sub-Racks.
- Up to 14 Sliding Sub-Racks can be accommodated.
- Sliding Sub-Racks are available for splicing (SSR-S), patching (SSR-P) and splicing and patching (SSR-SP).
- Sliding Sub-Racks are fitted into the rack using rear mounting rails.
- The rack can be supplied fully configured as a composed rack with side channels or the parts can be ordered separately.
- Side channels are designed to hold cable clamps for the routing of cable fibres, and patch cord Storage Drums for the over-length management of the pigtails and patch cords.
- Straight or elbowed Patch Cord Storage Drums are available.
- All panels are removable and allow full access to the rack and accessories during installation or maintenance.
- Can be used in a cascade layout; either side by side or back to back.
- Locks are available for restricted access to the rack.
- Cables are inserted from the top or the bottom.

### Kit Contents

The MMR can be ordered as a composed rack, which includes the main frame, 2 side channels, 4 patchcord storage drums, 5 patchcord guiding plates and 1 cable fixing plate.

All parts can also be ordered separately for maximum flexibility.

### Additional Items

- Sliding Sub-Racks
- Fixing Bracket Kits
- Patchcord Storage Drums
- Cable Head Splitting Device

### Prysmian Part Numbers

- XEXSC00650 – Comp Rack 2220x900x300
- XEXSC00651 – Comp Rack 2200x1200x300
- XEXSC00652 – Main Frame 2200x600x300
- XEXSC00653 – Side Channel 2200x300x300
- XEXSC00654 – Side Channel 2200x150x300

## Technical Data

- Maximum Capacity: 14 Sliding Sub-Racks
- Maximum Fibre Capacity:

	Splicing	Splice & Patch	Patching
ETSI Standard	1920 f	1008 f	1008 f
19" Standard	1600f	1008 f	1008 f

- Required space envelope (mm):-
  - Main Frame (h)2200 x (w)600 x (d)300
  - Side Channel Option 1 (h)2200 x (w)150 X (d)300
  - Side Channel Option 2 (h)2200 x (w)300 x (d)300
- Material:-
  - Metalwork: Mild Steel
  - Plastic: PC ABS
- Finish:-
  - Metalwork: Painted light grey (RAL 7035)
  - Plastic: Grey RAL 7035

## Logistics

- Packing Dimensions (mm):
 

Main Frame	(h)2280 x (w)680 x (d)360
Side Channel Option 1	(h)2280 x (w)680 x (d)360
Side Channel Option 2	(h)2280 x (w)680 x (d)360
Sliding Sub	(h)200 x (w)570 x (d)350
- Packed Weight (kg):
 

Main Frame	57.0
Side Channel Option 1	40.0
Side Channel Option 2	48.5
Sliding Sub-Rack	7.0
- Net weight (kg):
 

Main Frame	53.0
Side Channel Option 1	37.5
Side Channel Option 2	23.0
Sliding Sub-Rack	6.6

## Additional Items

### Sliding Sub-Rack Splicing (SSR-S)

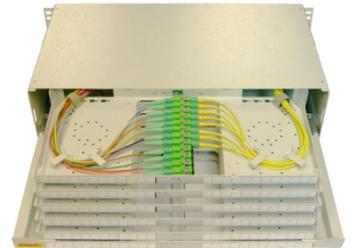
The Sliding Sub-Rack – Splicing (SSR-S) is a 3U shelf for use within the Modular Main Rack (MMR). It is used to splice internal cables directly to connectorised pigtails, or for cable to cable jointing. The shelf can accommodate single circuit Trays. The shelf is supplied without splice trays, which are ordered separately as required.



**Prysmian Part No.:** Refer to data sheet RM009

### Sliding Sub-Rack - Patching (SSR-P)

The Sliding Sub-Rack – Patching (SSR-P) is a 3U shelf for use within the Modular Main Rack (MMR) allowing the connection of up to 72 fibre patches. The shelf contains 6 pull out modules, which each house 12 adapters. The modules hinge upwards to provide access to the module below. The shelf is supplied with all of the adapters pre-installed at Prysmian to save installation time, and a variety of different adapter types can be accommodated.

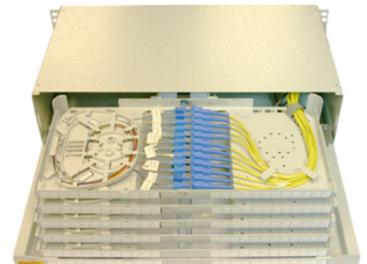


**Prysmian Part Nos:** -

- XEXSC00722** – 72 fibre FC/UPC
- XEXSC00723** – 72 fibre FC/APC
- XEXSC00724** – 72 fibre SC/UPC
- XEXSC00725** – 72 fibre SC/APC
- XEXSC00726** – 72 fibre ST
- XEXSC00727** – 72 fibre E2000/UPC
- XEXSC00728** – 72 fibre E2000/APC
- XEXSC00729** – 72 fibre LC/UPC
- XEXSC00730** – 72 fibre LC/APC

### Sliding Sub-Rack – Splice and Patch (SSR-SP)

The Sliding Sub-Rack – Splice and Patch (SSR-SP) is a 3U shelf for use within the Modular Main Rack (MMR) allowing the connection of up to 72 fibres onto adapter panels. The shelf contains 6 pull out modules, which each house 12 adapters, 12 pigtails and a splice tray. The modules hinge upwards to provide access to the module below. The shelf is supplied with all of the pigtails and adapters pre-installed at Prysmian to save installation time, and a variety of different adapter types can be accommodated.



**Prysmian Part Nos:** -

- XEXSC00776** – 72 fibre FC/UPC
- XEXSC00777** – 72 fibre FC/APC
- XEXSC00778** – 72 fibre SC/UPC
- XEXSC00779** – 72 fibre SC/APC
- XEXSC00780** – 72 fibre ST
- XEXSC00781** – 72 fibre E2000/UPC
- XEXSC00782** – 72 fibre E2000/APC
- XEXSC00783** – 72 fibre LC/UPC
- XEXSC00784** – 72 fibre LC/APC

## Additional Items continued

### Fixing Bracket Kits

Fixing Bracket Kits are used to mount the Cable Head Splitting Devices (CHSD) or Cabling Fixing Rings (CFR) within the Main Rack.

The CHSD kit can mount up to three 16-tube Cable Head Splitting Devices (CHSD) or six 2-tube Cable Head Splitting Devices.

The CFR kit is used to mount cable fixing rings and comes with 6 cable fixing rings already fitted.

**Prysmian Part Nos.:** -

**XEJSC00656** – CHSD Kit

**XEJSC00657** – CFR Kit



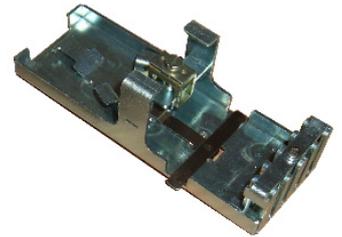
### Cable Head Splitting Device

The Cable Head Splitting Device is a complete cable clamping kit supplied with transport tubes. The unit enables the cable sheath, strength member and aramid yarns be clamped, and the fibres from the cable to be distributed via transport tubes to any position within the rack. There are two types available, a 16 tube version and a half size 2 tube version.

**Prysmian Part Nos.:** -

**XEJSC00658** (16 tube)

**XEJSC00659** (2 Tube)



### Patchcord Storage Drums

Patchcord Storage Drums can be mounted in the Rack to provide a storage facility for patchcord over-lengths. One drum is recommended to fitted for every Sliding Sub-Rack installed into the rack. Two types of storage drums are available; an Elbowed Storage Drum and a Straight Storage Drum.

**Prysmian Part Nos.:** -

**XEJSC00655** – Elbowed Storage Drum

**XEJSC01462** – Straight Storage Drum



### Heatshrink Splice Protectors

Splice protectors are used to protect the fibre splice. They are 2.2mm in diameter and 45mm in length.

**Prysmian Part No. - XPEJSC00053** (pack of 50)  
**- XKTJSC00050** (pack of 12)



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