

Generic Rack 3A

Prysmian Part Number: XPFSC00020A



The OAsys Generic Rack 3A (GR3A) is designed for use in the exchange, cable chamber and customer premises for cross connection purposes. The GR3A can also be used for the transition from external to internal cable. The GR3A must be used in conjunction with a Rack Splicing Module 3A.

Depending on the required level of circuit/cable segregation, the capacity of the rack ranges from **288** spliced fibres (single fibre working management) to **3456** spliced fibres (12 fibres per element/single element management). The GR3A can accept cables from both overhead and/or underfloor, and jumper cables from top, bottom, sides, rear or in any combination.

Features and Benefits

- Supplied in 'flat pack' format to minimise transport costs and ease handling.
- Easily assembled at point of installation by one person.
- Rack can be secured to the floor through four fixing holes (four levelling bolts are also provided). Two M12 fixing points are provided in the top face for securing to suitable suite ironwork.

Generic Racks can be bolted to one another for added stability. (Fixings are supplied with the product).

- The GR accommodates up to 12 OAsys 'Rack Splicing Modules' (see next sheet).
- The Rack Splicing Module (RSM) can be installed into the rack at any one of the twelve pre-determined levels.
- Cable entry/exit from the rack is possible from both overhead and/or underfloor. Jumper cable entry/exit is possible from top, bottom, sides, rear or any combination.
- 'Knockouts' are provided in the Side Panels for jumper entry/exit and the installation of electrical accessories and conduit.
- The Base Frame Front Cover has provision for UK style 13 amp electrical output. Other specifications are available through special order.
- Integral installation & operating instructions plus circuit record sheet.
- All jumper cables are positively managed to a 30mm minimum bend radius.

Kit Contents

- Skeleton rack
- Jumper cable bend manager system
- 1 pair of bi-fold doors
- 1 pair of side panels
- 1 pair of rear panels

Additional Items Required

- Rack Splicing Module
- Aramid Restraint Kit
- Splice Protectors

Additional Items Optional

- Patching Shelf
- Support Shelf

Technical Data

- Spliced fibre capacity: 288 fibres on a single fibre basis
576 fibres on a single circuit basis
3456 fibres on a single element basis
- Max. Cable Diameter (mm): 30
- Cable capacity: 36
- Required space envelope (mm): (w) 900 x (d) 300 x (h) 2200
- Operating temperature: -20°C to + 50°C (5 to 95% RH)
- Materials:-
 - Internal Metalwork: Mild Steel
 - External Metalwork: Mild Steel
 - Plastics: High Impact Polystyrene (Fire Retardant)
- Finish:-
 - Internal Metalwork: Zinc passivate (Clear)
 - External Metalwork: Painted Light Grey (RAL 7035)
 - Plastic: Light Grey (RAL 7035)
- Testing:-
 - Optical: Tested at 1310nm and 1550nm
 - Dry heat: BS EN 60068-2-2 Test Bb
 - Damp heat: IEC 68-2-3
 - Change of temperature: IEC 68-2-14
 - Vibration: IEC 68-2-6
 - Shock: IEC 68-2-27

Logistics

- Packing Dimensions (mm): (w) 2320 x (d) 635 x (h) 310
- Packed Weight (kg): 113
- Net weight (kg): 105

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Additional Items

Rack Splicing Module

The OAsys Rack Splicing Module 3A is used in the OAsys Generic Rack to facilitate the splicing of fibres. The RSM has a multi-functional role; input cable and sheath termination, fibre flexibility, circuit segregation, fibre routing, fibre storage, splice storage and jumper cable routing. Each RSM consists of 12 'swing out' Splice Modules, with each Splice Module housing 2 Splice Trays. The splicing capacity of the Rack Splicing Module is 48 fibres on a dual fibre per tray basis.



Prysmian Part No. – XPFSC00001

Aramid Restraint Kit

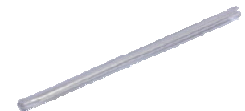
The OAsys Aramid Restraint Kit provides strain relief (up to 8Kg) for Aramid yarns from single fibre cables. The restraints are used to anchor the jumper cables onto the splice module. One restraint is required for each jumper cable.



Prysmian Part No. – XAPSC00546 (pack of 10)

Splice Protectors

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



Prysmian Part No. - XPESC00053 (pack of 50)
- XKTSC00050 (pack of 12)

Generic Rack Patching Shelf

The OAsys 48 fibre patching shelf is intended for use within an OAsys Generic Rack 3A. The unit provides a modular connectorised patching facility using quick fit Uniter panels, each panel accommodates 8 uniter. The connectorised pigtails are routed from the splice point to the right hand side of the shelf. Connectorised patchcords are connected to the front panel and routed off the shelf to the terminal equipment.



Prysmian Part No. – XPFSC00160 (Does not include Uniter panels and uniter. See reverse)

Patching Shelf Uniter Panels

OAsys Patching Shelf Uniter Panels are used in the OAsys Generic Rack Patching Shelf. Each Uniter Panel houses 8 Uniter. Up to 6 Uniter Panels can be fitted into a Generic Rack Patching Shelf.



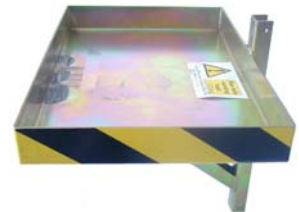
Prysmian Part Nos. –

<i>XEXSC00365</i>	<i>FC/UPC</i>
<i>XEXSC00366</i>	<i>FC/APC</i>
<i>XEXSC00367</i>	<i>SC/UPC</i>
<i>XEXSC00368</i>	<i>SC/APC</i>
<i>XEXSC00369</i>	<i>ST</i>
<i>XEXSC00370</i>	<i>E2000/UPC</i>
<i>XEXSC00371</i>	<i>E2000/APC</i>

Other connector types are available on request

High Level Support Shelf

The OAsys High Level Support Shelf is an adjustable shelf that can be used for mounting a splicing machine and accessories, whilst working on an OAsys Generic Rack. The shelf can be adjusted to a variety of different levels within the rack and is particularly useful when working at a high level.



Prysmian Part No. – XAPSC00576

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