PAT tel d.o.o.

FODIS Pro®* Accessories

PATtel offers various accessories in order to install a FODIS Pro® system on location and to ensure a proper cable guidance and feeding. Each fiber module must be mounted to the basis rack by using a module carrier unit. Two different fiber protection systems are supported by FODIS Pro®.
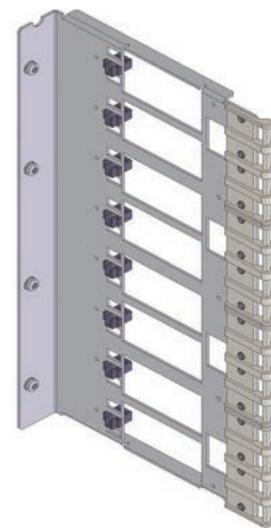
Module carrier unit

The FODIS Pro® module carrier unit accommodates the Fiber Module and allows the rotation of the Fiber Module in the rack and the removal of Fiber Modules from the rack. A flexible mix of Half Size Fiber Modules and Full Size Fiber Modules is possible by using four different sizes of module carrier units (2HU, 4HU, 6HU and 8HU versions are available). Base rack must be allways assembly with ordered module carrier unit (2HU, 4HU, 6HU or 8HU versions).

The 8HU version is the standard module carrier unit.

Technical specifiations

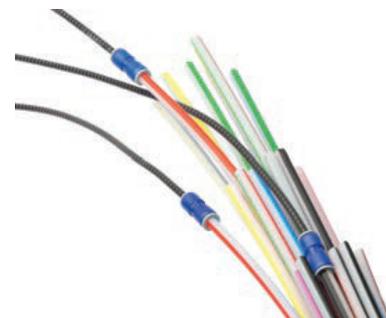|	
Color of bracket	RAL 7035, light grey
Material of bracket	Powder coated steel
Color of hinge	Light grey
Material of hinge	ABS
Color of door latch	Black

Fiber protection tubes

Fiber protections tubes are necessary to protect the loose tubes of an incoming cable from the terminal point of the incoming cable to the Fiber Modules. Two different types of protection tubes are available. euroclust offers these fiber protection tubes per meter as well as in a set. A set for fiber protection contains the necessary quantity of tubes for each rack height, including labelling of each tube, cutting to its proper length and packed in a separate cardboard packing. Alternatively a set including pre-installation can be ordered either for the pre-installation into the base rack or into the extension rack. All fiber protection tubes are made of LSZH material.

High rigidity harness PBT tube

This kink-resistant tube-slit version ensures that a maximum bending radius of incoming cables is maintained.

Microduct/Primary tube

The microduct protection tubes offer the possibility to blow in fibers directly up to the Fiber Modules. When using Microduct/Primary protection tubes, a pre-installation is possible by using our cable feeding tool. When ordering sets of microduct/primary tube, each tube is pre printed with fiber module level indication (see ordering information).

Technical specifiations - High rigidity harness tube

Color	Black
Material	polyethylene terephthalate (PBT)
Flammability	UL 94V-0
Inner diameter	3.3mm
Outer diameter	5.0mm

Technical specifiations - Microduct

Color	White
Material	LSZH material
Flammability	UL 94V-0
Inner diameter	3.5mm
Outer diameter	5.0mm

Cable clamp set

The FODIS Pro® cable clamp sets are mounted either on the top or on the bottom side of the cabinet and secures the strain relief element of incoming cables. They also serve as holding point for the cable conduits. Optionally the central strength member of the incoming cable can also be fixed. Each cable clamp has 8 slots for tubes, and in one slot can be mounted 4 tubes. A cable clamp set includes the cable clamp, mounting rail, protection bar and screws.

Technical specifications

Color	RAL 7035, light grey
Material	Powder coated steel
Dimensions	164,3mm x 90mm x 51.7mm (HxWxD)
Weight	250 grams

Max. amount of cable clambs and tubes

	Single row racks			Double row racks		
	32HU	40HU	48HU	32HU	40HU	48HU
Cable clamps	4	5	6	8	10	12
Tubes	64	80	96	128	160	172

Cable clamp protector

The protector is designed to mount on cable clamp to help secure tubes in slots.

Technical specifications

Color	RAL 7035, light grey
Material	Powder coated steel
Dimensions	62mm x 72mm x 34mm (HxWxD)
Weight	69 grams

Tools, Fixing material & Pre-Installation services

Fixing sets

Several fixing sets are available for FODIS Pro® to mount the rack to the wall, on the floor or to mount multiple racks side by side or back to back to each other. Each individual fixing set contains all necessary screws, mounting brackets, washers and anchor pins.
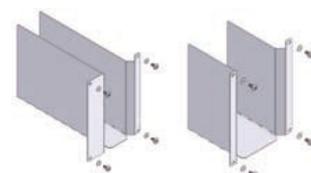
Upper connecting plate set

Upper connecting plate set is available for Fodis Pro® to mount two racks back to back. Connecting plate is mount on the top side of racks. The set includes the connecting plate, screws and washers.

Patch chanel

Through the patch chanel is possible to connect patchcords between two racks mount back to back. The set includes the patch chanel, screws and washers.

ADAPTER HOLDER PINCER
The adapter holder pincer is designed to easily remove the snap-in angled holder from the frontplate cutout of the PATODIS Pro® fiber module. Thanks to its small and compact design it ensures the smooth removal of an snap-in angled holder without interfering with other connections.

TORX SOCKET WRENCH
The torx socket wrench is necessary to mount various accessories into the base rack or the extension rack, e.g. spools in the mandrel extension rack. This tool is required to install a PATODIS Pro® system.

WITHDRAWAL TOOL
The withdrawal tool is necessary to insert the incoming fiber cable into the fiber protection tube which is fed up to the fiber optic module. This tool is required to install a PATODIS Pro® System.

MICRO DUCT CUTTING TOOL
A cutting tool with integrated knife to help cut microduct tubes easily to the correct length. The tool has a plastic housing and a metal knife.

PRE-INSTALLATION OF FIBER PROTECTION TUBES
PATtel offers to install the sets of selected fiber protection tubes into the rack.
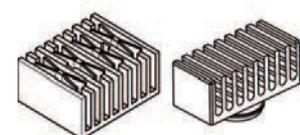
CUSTOMIZED LABELLING
PATtel can deliver each fiber module with a customized labelling of the top cover (index of all ports with description) as well as a labelling of the side of each Fiber Module (indication of the street and the building this module is assigned to) according to the customer's request. Also the labelling of the fiber module numbering can be done by PATtel.

PLINTH WITH LEVELING FEET
Plinth with leveling feet is designed for PATODIS Pro® Rack. Plinths have levelling feet which can be mounting with nuts into the floor for stabilty. With plinth is easely bottom cable entry.

SPLICE PROTECTOR HOLDERS
Each fiber module is equipped with rubber shrink/crimp splice protection holder as standart. PATtel offer another three variants for splice protections mounting in fiber module. Available are two variants for Full size fiber modules and one variant for Half size fiber modules.

Ordering Information	
Module carrier unit	
Description	ec-Article Nr.:
Module carrier unit 2HU (for 4 Half Size Fiber Modules or 2 Full Size Fiber Modules)	EC03.503000.001
Module carrier unit 4HU (for 8 Half Size Fiber Modules or 4 Full Size Fiber Modules)	EC03.503000.002
Module carrier unit 6HU (for 12 Half Size Fiber Modules or 6 Full Size Fiber Modules)	EC03.503000.003
Module carrier unit 8HU (for 16 Half Size Fiber Modules or 8 Full Size Fiber Modules)	EC03.503000.004
Fiber protection (material only, without pre-installation)	
High rigidity harness PBT tube, black (sold by meter)	EC03.101087.203
High rigidity harness PBT tube, black, set for 32HU/1800mm rack height	EC03.101087.204
High rigidity harness PBT tube, black, set for 40HU/2200mm rack height	EC03.101087.205
High rigidity harness PBT tube, black, set for 48HU/2600mm rack height	EC03.101087.206
Microduct tube, white (sold by meter)	EC03.101087.251
Microduct tube, white, set for 32HU/1800mm rack height	EC03.101087.255
Microduct tube, white, set for 40HU/2200mm rack height	EC03.101087.256
Microduct tube, white, set for 48HU/2600mm rack height	EC03.101087.257
Fiber protection (material with pre-installation)	
High rigidity harness PBT tube, black, set for 32HU/1800mm rack height incl. installation into base rack	EC03.101087.258
High rigidity harness PBT tube, black, set for 40HU/2200mm rack height incl. installation into base rack	EC03.101087.259
High rigidity harness PBT tube, black, set for 48HU/2600mm rack height incl. installation into base rack	EC03.101087.260
High rigidity harness PBT tube, black, set for 32HU/1800mm rack height incl. installation into extension rack	EC03.101087.263
High rigidity harness PBT tube, black, set for 40HU/2200mm rack height incl. installation into extension rack	EC03.101087.264
High rigidity harness PBT tube, black, set for 48HU/2600mm rack height incl. installation into extension rack	EC03.101087.265
Microduct tube, white, set for 32HU/1800mm rack height incl. installation into base rack	EC03.101087.261
Microduct tube, white, set for 40HU/2200mm rack height incl. installation into base rack	EC03.101087.252
Microduct tube, white, set for 48HU/2600mm rack height incl. installation into base rack	EC03.101087.262
Microduct tube, white, set for 32HU/1800mm rack height incl. installation into extension rack	EC03.101087.266
Microduct tube, white, set for 40HU/2200mm rack height incl. installation into extension rack	EC03.101087.254
Microduct tube, white, set for 48HU/2600mm rack height incl. installation into extension rack	EC03.101087.267
Cable clamp sets	
Cable clamp set for multi-tube cables - TOP ENTRY- with strain relief	EC03.503101.001
Cable clamp set for multi-tube cables - BOTTOM ENTRY- with strain relief	EC03.503101.002
Cable clamp set for multi-tube cables - TOP ENTRY- without strain relief	EC03.503104.001
Cable clamp set for multi-tube cables - BOTTOM ENTRY- without strain relief	EC03.503104.002
Cable clamp set for single-tube cables - TOP ENTRY- without strain relief	EC03.503106.001
Cable clamp set for single-tube cables - BOTTOM ENTRY- without strain relief	EC03.503106.002
Cable clamp protector	EC03.501001.012
Tools	
Adapterholder pincer	EC03.505000.001
Torx socket wrench TX-25 standard long	EC03.505000.010
Torx socket wrench TX-25 long extension	EC03.505000.011
Withdrawal tool	EC03.505000.020
Microduct cutting tool	EC03.505000.021

Ordering Information	
Fixing sets	
Description	ec-Article Nr.:
Side-by-side fixing set	EC03.503120.001
Upper fixing set for bricks	EC03.503121.001
Upper fixing set for concrete	EC03.503121.002
Lower fixing set for concrete	EC03.503122.001
Lower fixing set for raised floor	EC03.503122.002
Patch chanel SR set (1 piece per rack)	EC03.503127.001
Patch chanel DR set (2 pieces per rack)	EC03.503128.001
Upper connecting plate SR set - fixing back-to-back	EC03.503126.001
Upper connecting plate DR set - fixing back-to-back	EC03.503129.001
Side connection plate 48HU set	EC03.503130.001
Side connection plate 40HU set	EC03.503130.002
Side connection plate 32HU set	EC03.503130.003
Plinths	
Single Row Rack plinth, width 450	EC03.503125.001
Single Row Rack plinth, width 600	EC03.503125.002
Single Row Rack plinth, width 750	EC03.503125.003
Double Row Rack plinth, width 700	EC03.503125.004
Single Row Rack plinth, width 1000	EC03.503125.005
Single Row Rack plinth, width 1300	EC03.503125.006
Splice protector holders	
Splice holder for full size Fiber Module, rubber - 24x ø2,5mm shrink SP or 48x ø2,5mm Crimp SP	EC03.504010.000-0014
Splice holder for half size Fiber Module, rubber - 12x ø2,5mm shrink SP or 24x ø2,5mm Crimp SP	EC03.504010.000-0025
Splice holder for full size Fiber Module, ABS - 48x ø2mm shrink SP or 48x ø2mm Crimp SP	EC03.504010.000-0086