

FIBRE ENCLOSURES AND SPLICING ACCESSORIES

TERA

**10G 6A
F/UTP**

**10G 6A
UTP**

System 6 UTP

**Premium 5e
F/UTP**

Premium 5e UTP

Fibre Cable Assemblies, Connectors and Cable

**Fibre
Enclosures and
Splicing
Accessories**

**MapIT
Intelligent
Infrastructure
Management**

Faceplates and Mounting Accessories

Racks and Cable Management

Industrial Products

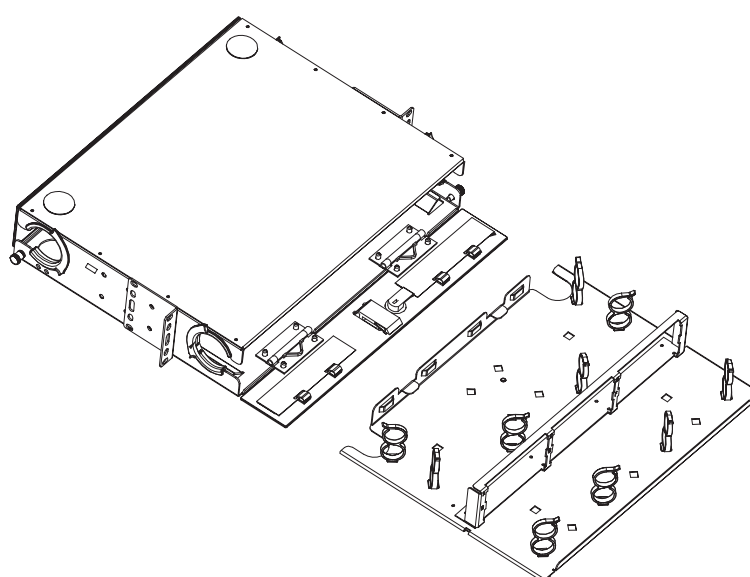
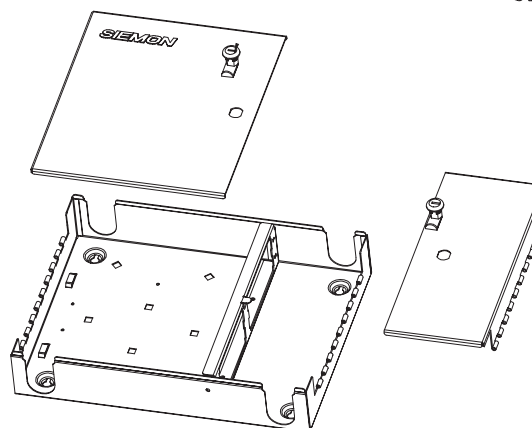
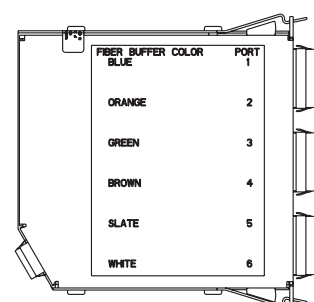
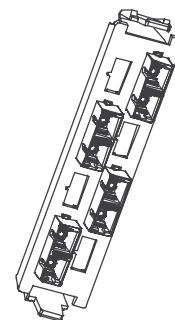
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Warranty



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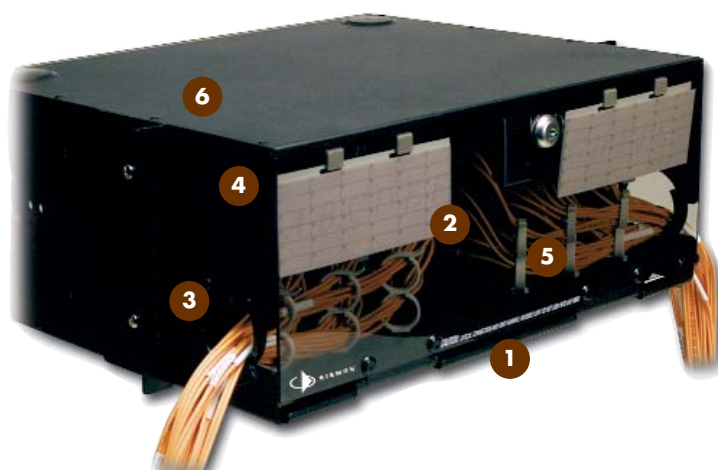
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RACK MOUNT INTERCONNECT CENTRE (RIC3)

The RIC3 provides the best overall value for exceptional fibre management. The RIC3 enclosure offers superior fibre density (up to 288 fibres in just 4 U) without sacrificing fibre protection and accessibility. Features include a fully removable tray, improved labelling, standard front and rear door locks, and single-finger door latches. With superior cable management, port identification, fibre accessibility and security, the RIC3 is the best way to protect mission critical fibre connections.

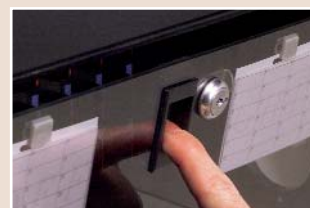


- 1 Quick-Release Hinges** — Spring loaded quick-release hinges enable easy removal of front and rear doors for complete access to fibre connections
- 2 Enhanced Labelling** — Label virtually any port configuration with our hinged labels. The labels hang on the front door for improved visibility. When the door is opened, labels flip down allowing ready viewing of the label and corresponding ports
- 3 Rotating Grommets** — Patented rotating grommets facilitate loading and retention of jumpers and fibre while minimising microbending stress when using the sliding tray
- 4 Complete Access** — Management tray has a positive stop in both front and rear working positions providing complete access for moving, adding, changing, or cleaning of fibre connections
- 5 Maximum Capacity** — The RIC3 enables a maximum amount of fibres to be patched or patched and spliced in a 2, 3, and 4 U enclosure without compromising the accessibility. This allows more efficient utilisation of rack space
- 6 Superior Design** — Top and bottom access holes located at the rear of the enclosure allow fibres to be routed between tandem enclosures without having to run fibres outside of the enclosure



Removable Tray

The RIC3 cable management tray is fixed in place, but can be removed from the front or rear of the enclosure and moved to a work table for more convenient loading.



Latching and Locking

The RIC3 features a single-finger latch on both front and rear doors. Included door locks offer security.



Quick-Pack™ Adapter Plates

Siemon Quick-Pack adapter plates can be inserted or removed with a single-finger latch for quick and easy access to fibre connections.

RACK MOUNT INTERCONNECT CENTRE (RIC3)

FOCUS PATENTED 

Siemon RIC3 enclosures are designed for enhanced fibre management and ease of use. They are compatible with an array of Siemon fibre Quick-Pack™ adapter plates for your choice of fibre adapters and port density (see page 8.8).



Part #
RIC3-24-01 24- to 96-port Rack Mount Interconnect Centre, accepts (4) Quick-Pack adapter plates, 2 U, black
height: 86.6mm, width: 432mm, depth: 380mm



Part #
RIC3-36-01 36- to 144-port Rack Mount Interconnect Centre, accepts (6) Quick-Pack adapter plates, 2 U, black
height: 86.6mm, width: 432mm, depth: 380mm



RIC3-48-01 48- to 192-port Rack Mount Interconnect Centre, accepts (8) Quick-Pack adapter plates, 3 U, black
height: 133mm, width: 432mm, depth: 380mm



RIC3-72-01 72- to 288-port Rack Mount Interconnect Centre, accepts (12) Quick-Pack adapter plates, 4 U, black
height: 178mm, width: 432mm, depth: 380mm

Note: 1 U = 44.5mm

Note: All RIC products include laser-printable labels*, cable ties, rack-mounting hardware, and pre-installed fibre management clips.

*Visit www.siemon.com for labelling software.

MAXIMUM RIC3 FIBRE CAPACITY

# FIBRES PER QUICK-PACK	ADAPTER OPTIONS	RIC24	RIC36	RIC48	RIC72
6	ST, SC, ST/SC, FC	24	36	48	72
8	ST, SC, ST/SC, FC	32	48	64	96
12	ST, SC, MT-RJ, LC	48	72	96	144
16	MT-RJ, LC	64	96	128	192
24	MT-RJ, LC	96	144	192	288

MAXIMUM SPLICING CAPACITY

SPLICE TYPE	RIC24	RIC36	RIC48	RIC72
Fusion	96	96	96	144

RELATED PRODUCTS Quick-Pack Adapter Plates page 8.8, Splice Trays page 8.9, Plug and Play Modules page 8.11

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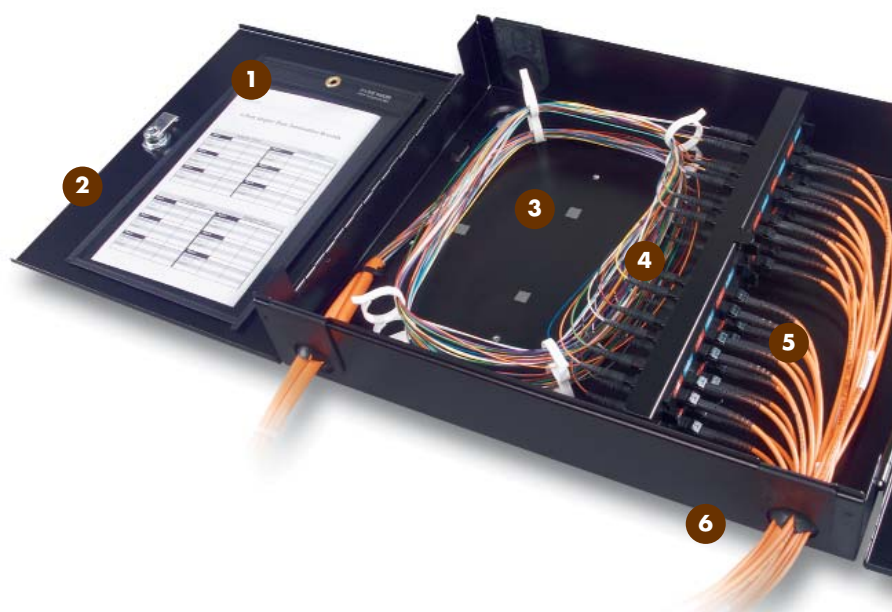
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WALL MOUNT INTERCONNECT CENTRE (SWIC3)

The Wall Mount Interconnect Centre (SWIC3) is a cost-effective fibre enclosure designed to manage and protect up to 96 fibre connections. The low-profile, compact design makes it ideal for telecommunications closets or other installation areas where wall space is a premium. The adapter mounting method is standardised on the same snap-in Quick-Pack™ adapter plates used in our family of Rack Mount Interconnect Centres (RIC3).



Easy Access

Doors on enclosures and jumper guard swing open a full 180° to provide complete front and side access.



Dual-Level Fibre Managers

Incorporates two independent levels of storage to enable the fibre to be routed at levels that correspond to the adapters.



Snap-In Adapter Plates

Utilises same Quick-Pack adapter plates as RIC3 enclosures with integrated latches for snap-in installation and single-finger removal.

- 1 Convenient Labelling** — Convenient labelling system includes removable clear label holders for storing and protecting fibre documentation
- 2 Door Options** — Doors on enclosure and jumper guard can be ordered with independent key lock or latching options
- 3 Optional Splice Tray Bracket** — Optional bracket available for mounting multiple splice trays (*not shown*)
- 4 Available with Quick-Pack Adapter Plates** — Quick-Pack adapter plates are available with SC, ST, MT-RJ, or LC adapters (*see page 8.8*)
- 5 Fibre Jumper Guard** — Integrated hinged fibre guard provides jumper protection and management
- 6 Accessories** — Dust-proofing grommets included

MAXIMUM SWIC3 FIBRE CAPACITY

# FIBRES PER QUICK-PACK	ADAPTER OPTIONS	SWIC3-M	SWIC3
6	ST, SC	12	24
8	ST, SC	16	32
12	ST, SC, MT-RJ, LC	24	48
16	MT-RJ, LC	32	64
24	MT-RJ, LC	48	96

MAXIMUM SPLICING CAPACITY

SPLICE TYPE	SWIC3-M	SWIC3
Fusion	N/A*	48

*SWIC3-M does not accept splice trays

WALL MOUNT INTERCONNECT CENTRE (SWIC3)

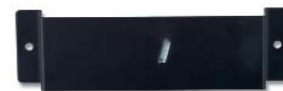
✓ FOCUS PATENTED 

Part #	Description
SWIC3G-(X)(X)-01	24- to 96-port Wall Mount Interconnect Centre with integrated jumper guard, accepts (4) Quick-Pack adapter plates, black. Includes dual-level fibre managers, port designation labels and removable pocket, dust-proofing grommets, strain relief hardware, cable ties, and mounting hardware. height: 311mm, width: 406mm, depth: 82.6mm

Use 1st (X) to specify type of lock on the enclosure (left) door:
A = key lock, C = thumb-turn latch
Use 2nd (X) to specify type of lock on the guard (right) door:
A = key lock, C = thumb-turn latch



Part #	Description
TRAY-B-01	Bracket for mounting up to 4 mini splice trays to SWIC3 base



RELATED PRODUCTS Quick-Pack™ Fibre Adapter Plates page 8.8, Mini Splice Trays page 8.9, Plug and Play Modules page 8.11

MINI WALL MOUNT INTERCONNECT CENTRE

✓ FOCUS PATENTED

The SWIC3 enables the economical interconnection of fibre in locations where wall space is limited while still providing many of the popular, installer-friendly features of the SWIC3. By accepting two flat Quick-Pack adapter plates, the SWIC3 can accommodate from 12-48 fibres. Also included are dust-proofing grommets to provide protection from contaminants and bend radius guides to ensure proper storage of fibre slack.

Part #	Description
SWIC3-M-01	12- to 48-port Mini Wall Mount Interconnect Centre, accepts (2) Quick-Pack adapter plates, black height: 218.4mm, width: 185.4mm, depth: 82.6mm



RELATED PRODUCTS Quick-Pack™ Fibre Adapter Plates page 8.8, Plug and Play Modules page 8.11

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FIBRE CONNECT PANEL (FCP3)

Simon Fibre Connect Panels (FCP3-DWR and FCP3-RACK) economically connect, protect, and manage up to 72 fibres within one Rack Mount Space. It accepts Simon's Quick-Pack™ adapter plates with patented single-finger access. The FCP3-DWR makes access to the connections easy via a fixed tray that can be released and slid out of the front or rear of the enclosure.



- 1 Lanced Tabs** — Provide convenient cable anchor points for incoming jacketed fibre cable
- 2 Front Fibre Clips** — Manage up to 36 duplex fibre jumpers (72 fibres total)
- 3 Label Holder** — Protects fibre jumpers and is readily removable via release of factory-installed snap-latches
- 4 Up to 3 Optional Splice Trays** — Can be mounted to manage and protect either mechanical or fusion splices
- 5 Rear Fibre Clips** — Manage cable slack while maintaining minimum bend radius requirements

MAXIMUM FCP3 FIBRE CAPACITY

# FIBRES PER QUICK-PACK	ADAPTER OPTIONS	FCP3
6	ST, SC	18
8	ST, SC	24
12	ST, SC, MT-RJ, LC	36
16	MT-RJ, LC	48
24	MT-RJ, LC	72

MAXIMUM SPLICING CAPACITY

SPLICE TYPE	FCP3
Fusion	72



High Density

FCP3 enclosures accommodate up to 72 fibres in only 1 U on a 19 inch rack.



Sliding Tray

The FCP3-DWR (drawer version) features a tray that slides out from the front or rear, providing easy access to fibre connections. The entire tray can be removed and placed on a work table for more convenient termination.

FIBRE CONNECT PANEL (FCP3)

FOCUS PATENTED

Part #	Description
FCP3-DWR	6- to 72-port Fibre Connect Panel with sliding tray, accepts (3) Quick-Pack™ adapter plates, 1 U, black. Includes mounting brackets, housing/tray, fibre managers, grommets, label holders, and labels height: 43.2mm, width: 482.6mm, depth: 355.6mm
FCP3-RACK	6- to 72-port Fibre Connect Panel with fixed tray, accepts (3) Quick-Pack adapter plates, 1 U, black. Includes mounting brackets, housing/cover, fibre managers and grommet height: 43.2mm, width: 482.6mm, depth: 241.3mm



FCP3-DWR



FCP3-RACK

RELATED PRODUCTS Quick-Pack Adapter Plates page 8.8, Splice Trays page 8.9, Plug and Play Modules page 8.11

FCP3-R

Part #	Description
FCP3-R-SC24-01	24-port Fibre Connect Panel, fixed, duplex SC 1 U, black. Includes mounting brackets, housing/tray, fibre managers, grommets, label holders, and labels height: 43.2mm, width: 482.6mm, depth: 355.6mm
FCP3-R-LC48-01	48-port Fibre Connect Panel, fixed, duplex LC 1 U, black. Includes mounting brackets, housing/tray, fibre managers, grommets, label holders, and labels height: 43.2mm, width: 482.6mm, depth: 355.6mm



FCP3-R-SC24



FCP3-R-LC48

RELATED PRODUCTS Splice Trays page 8.9

COMPRESSION FITTINGS

Compression fittings are utilised as an enhanced method for securing cables to FCP3 fibre enclosures. Acme threads on the body prevent skipping, allowing for faster installations of lock-nuts.

Part #	Description
CF-(XX)	Compression fitting

Use (XX) to specify fibre diameter:
40 = 5.8 – 13.9mm,
51 = 11.4 – 18.0mm,
60 = 15.0 – 25.4mm



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QUICK-PACK™ ADAPTER PLATES

FOCUS PATENTED 

Siemon Quick-Pack adapter plates feature a patent pending integrated latch, which provides single-finger access to fibre even in fully populated enclosures.

XGLO® & LIGHTSYSTEM®

RIC-F-SC6-01

3 duplex SC adapters
(6 fibres)



RIC-F-SC8-01

4 duplex SC adapters
(8 fibres)



RIC-F-SC12-01

6 duplex SC adapters
(12 fibres)



RIC-F-LC12-01

6 duplex LC adapters
(12 fibres), beige adapters



RIC-F-LC16-01

4 quad LC adapters
(16 fibres), beige adapters



RIC-F-LC24-01

6 quad LC adapters
(24 fibres), beige adapters



RIC-F-LCU12-01

6 duplex LC adapters
(12 fibres), blue adapters
(not shown)



RIC-F-LCU16-01

4 quad LC adapters
(16 fibres), blue adapters
(not shown)



RIC-F-LCU24-01

6 quad LC adapters
(24 fibres), blue adapters
(not shown)



LIGHTSYSTEM

RIC-F-SA6-01

3 duplex ST adapters
(6 fibres)



RIC-F-SA8-01

4 duplex ST adapters
(8 fibres)



RIC-F-SA12-01

6 duplex ST adapters
(12 fibres)
*Only recommended
for push-pull design
connectors due to access
constraints*



RIC-F-MT12-01

6 duplex MT-RJ adapters
(12 fibres)



RIC-F-MT16-01

8 duplex MT-RJ adapters
(16 fibres)



RIC-F-MT24-01

12 duplex MT-RJ adapters
(24 fibres)



RIC-F-BLNK-01

Blank adapter plate



Each adapter plate with icon pockets includes red, blue, black, and clear icons with paper labels.
All SC and ST adapters are "universal" to support multimode and singlemode.

SPLICE TRAYS (XGLO® & LIGHTSYSTEM®)

These aluminium trays come with a clear, snap-on polycarbonate cover and can be stacked for high-density applications. The standard tray holds up to 24 splices. The mini-tray for use with the SWIC3, accommodates up to 12 splices.

Part #	Description
TRAY-3	Standard splice tray for up to 24 fusion splices with sleeve protection. For use with RIC3 and FCP3 fibre enclosures
TRAY-M-3	Mini splice tray for up to 12 fusion splices with sleeve protection. For use with SWIC3 enclosures



TRAY-3

Standard Tray Dimensions

height: 103mm,
width: 298mm,
depth: 8.13mm



TRAY-M-3

Mini Tray Dimensions

height: 103mm,
width: 179mm,
depth: 8.13mm



Fusion with sleeve splice holders can accommodate sleeve diameters from 1.5mm to 3mm.

HEAT SHRINK SLEEVES

Heat shrink sleeves provide a safe and efficient method for protecting fusion splices on either 250 or 900 micron coated fibres. Heat shrink sleeves are threaded on to fibres prior to fusion splicing and then positioned directly over splice and heated via an oven or heat gun.*

Part #	Description
HT-40	40mm heat shrink sleeve
HT-60	60mm heat shrink sleeve



Technical Tip!

For cleave lengths greater than 12mm, HT-60 sleeves are recommended.

**Heating times may vary depending on heat source.*

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PLUG AND PLAY FIBRE PRODUCTS

Simon offers a convenient fibre plug and play solution for streamlining fibre installation and termination. This system reduces the labour and logistics of standard fibre installations by providing a pre-terminated, pre-tested fibre optic connection system. The Simon plug and play system utilises method C, TIA-568-B.1-7 guidelines for maintaining optical polarity.



Pre-Terminated Fibre

All fibre connections are factory-terminated and tested, enabling faster installation to meet tight deadlines.



Plug and Play Modules

Modules feature integrated latches for snap-in installation and single-finger removal.



Wall or Rack Mount Solutions

Simon's Plug and Play modules can be used with any Simon fibre enclosure (RIC3, SWIC3, FCP3).

- 1 Quick Connections** — Are completed by plugging 6- or 12-fibre MPO connectors in Plug and Play modules which can be snapped into wall or rack mount enclosures
- 2 Factory Termination** — Significantly reduces labour costs during installation and ensures high performance and reliability of the installed system
- 3 Multiple Interfaces** — In both standard and laser optimised 50/125µm and 62.5/125µm fibre with LC, SC and ST connections
- 4 Turn-Key Solution** — No connectors, termination kits or consumables required

PARAMETER	LightSystem® 50/125µm (850nm/1300nm)	LightSystem 62.5/125µm (850nm/1300nm)	XGLO® 50/125µm Laser Optimised (850nm/1300nm)
Max. Cable Attenuation (dB/Km)	3.5/1.0	3.5/1.0	3.5/1.0
Max. MPO Insertion Loss (dB)	0.25	0.25	0.25
Max. SC/LC Insertion Loss (dB)	0.5	0.5	0.5
Min. OFL Bandwidth (MHz•km)	500/500	200/500	500/500
Min. RML Bandwidth (MHz•km)	-/-	-/-	2000/-
Min. Gigabit Ethernet Transmission (m)	550/550	275/550	550/550
Min. 10 Gigabit Ethernet Transmission (m)	86/300	28/300	300/300

PLUG AND PLAY MODULES

The Plug and Play modules snap into any Siemon enclosure (RIC3, SWIC3, FCP3) to provide individual port access when transitioning from MPO connectors at the rear. The modules are factory-terminated and tested for 100% guaranteed performance with SC and LC interfaces. Installer-friendly snap-in design ensures fast and reliable installation.

Part #	Description
PP12-SC(X)MM-01	12-port, multimode SC Plug and Play module, black
PP12-LC(X)MM-01	12-port, multimode LC Plug and Play module, black
PP24-LC(X)MM-01	24-port, multimode LC Plug and Play module, black

Use (X) to specify fibre type:
 5 = 50/125µm multimode (LightSystem®),
 6 = 62.5/125µm multimode (LightSystem®),
 5L = Laser Optimised, 50/125µm multimode (XGLO®)



24-Port
LC Module

Other plug and play options available. Contact Siemon Customer Service for availability.

RELATED PRODUCTS RIC3 Enclosures pages 8.2 – 8.3, SWIC3 Enclosures pages 8.4 – 8.5
 FCP3 Enclosures pages 8.6 – 8.7

PLUG AND PLAY REEL AND EXTENDER SYSTEM

Siemon's RazorCore™ cable for the Plug and Play system is provided on cable reels with 12-fibre MPO connectors on each end. RazorCore cable is available in 50/125µm or 62.5/125µm riser (OFNR) grade fibre and can be ordered in any length. A cable pulling eye on one end protects the fibre during installation and facilitates fast installation. Cable extenders are also available to add onto existing Plug and Play reels and include an adapter to join the extender to the cable reel.



Part #	Description
FR12-(X)MMR-(XXX)	MPO-to-MPO Plug and Play reel, 12-fibre, with pulling eye, OFNR
FE12-(X)MMR-(XXX)	MPO-to-MPO Plug and Play fibre extender, 12-fibre, with adapter and pulling eye, OFNR

Use (X) to specify fibre jacket type: 5 = 50/125µm multimode, 6 = 62.5/125µm multimode,
 5L = Laser Optimised, 50/125 (300 metres)
 Use (XXX) to specify length in metres (last X to be "0" or "5" only)

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