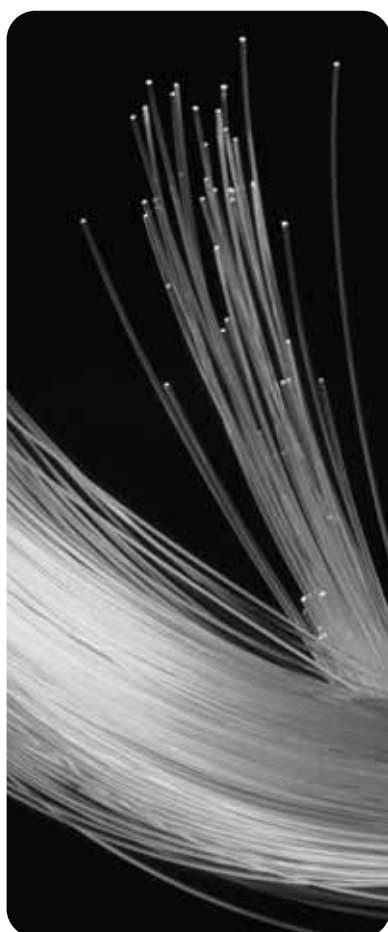


Fibre Panel Solutions



Fibre Panel Comparison	4.4
FL2000 19-Inch Panel System	
Rack or Cabinet Mount Termination Panels	4.7
Rack or Cabinet Mount Termination/Splice Panels	4.10
Termination Panels with MTRJ Connectors	4.11
Rack or Cabinet Mount Panels	4.12
Slack Storage Solutions	4.15
6pak Adapter Plug-ins	4.17
Accessories	4.19
Mounting Options	4.21
Value-Added Module System	
FL2000 System Chassis	4.24
19-Inch Panel Solutions	4.25
FL2000 and 19-Inch System	4.26
WideVAM™ System	4.32
Value-Added Modules (Size 10)	4.39
19-Inch/1RU Value-Added Monitor Module	4.41
Bulkhead Plates and Blanks	4.42
Terminators	4.42
FPL Series Fibre Panels	
Introduction	4.43
Termination Only Panels	4.44
Termination Panels with Intrafacility Fibre Cable	4.46
Termination/Splice Panels	4.48
144-Position Termination/Splice Panel	4.50

Fibre Panel Solutions

Continued



Fibre Management Tray Series

1 Rack Unit

Termination Only	4. 53
Termination/Splice	4.54
Termination/Storage.....	4.55
Slack Storage.....	4.56
Termination/Splice, Universal Cable Entry	4.56
Splicing Only	4.57
Termination/Splice Fixed Bulkhead	4.59
Termination/Storage Fixed Bulkhead	4.60
Accessories	4.61
Specifications.....	4.62



2 Rack Units

Termination with Adapters Only.....	4.63
Termination with IFC or Multifibre Cable	4.64
Termination/Splice.....	4.65
Accessories	4.66
Value-Added Module System	4.67

		
	FL1000 Wall Box	FL2000 Rack Mount
Functions within Single Panel	Termination/splice	Termination/splice
Sizes Available (Standard Simplex Connectors)	12, 24, 36, 48, 72	12, 24, 36, 48, 72, 96
Maximum Number of Fibres	144	432
Wall Mount	Yes	Yes
Rack Mount	No	19"/23"/ETSI
Cabinet Mount	No	Yes
"Best for" Applications	Interconnect	Interconnect
"Best for" Network	Multimode or single- mode	Multimode or single- mode
Interface Type	6pak	6pak
Degree of Cable Management	Low	Moderate
Allows Additional Growth	Fair	Ideal
Small-Form- Factor Compatibility	Yes	Yes
VAM Compatibility	No	Yes

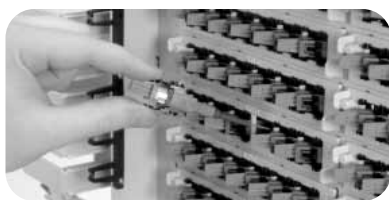
Panel Solutions

Panel Comparisons

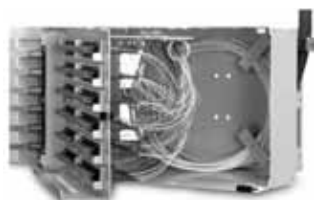
 		
FMT Rack Mount	FPL Rack Mount	
Termination/Splice or Storage	Termination/Splice	Functions within Single Panel
12 and 24 (1RU), 72 (2RU)	12, 24, 36, 48, 60, 72, 84, 96, 108, 120	Sizes Available (Standard Simplex Connectors)
32 (1RU), 72 (2RU)	144	Maximum Number of Fibres
Yes	No	Wall Mount
19"/23"/ETSI	19"/23"	Rack Mount
Yes	Yes	Cabinet Mount
Interconnect	Interconnect or cross-connect	"Best for" Applications
Multimode or single-mode	Multimode or single-mode	"Best for" Network
Single adapter pack	Angled retainer (left/right)	Interface Type
High	Moderate	Degree of Cable Management
Fair	Fair	Allows Additional Growth
Yes	Yes	Small-Form-Factor Compatibility
Yes	No	VAM Compatibility

FL2000 Panel System

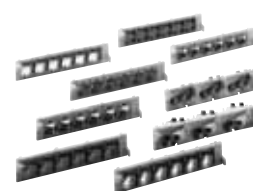
Introduction



Single fibre access



Swing-out bulkhead allows full access



6pak adapter plug-ins



FL2000 rack mount termination panel (empty)



FL2000 rack mount termination/splice panel (empty)



FL2000 rack mount termination panel with IFC

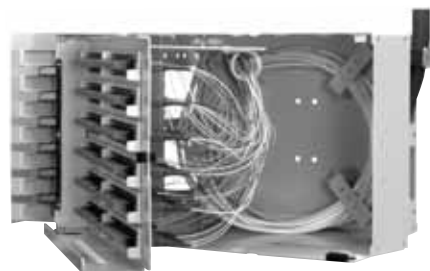
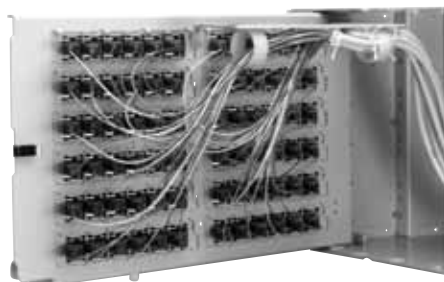
Features

- A complete line of modular panels and boxes, developed for cabinet, rack and wall mounting.
- Fully adaptable for large or small main distribution frame (MDF), intermediate distribution frame (IDF) or telephone closet (TC) applications.
- Designed for 19" EIA rack or cabinet environment; optional brackets are available to accommodate 584.2mm 19" or ETSI rack or cabinet mounting.
- Provides termination, splicing and storage capabilities for in-building cables, outside plant cables and fibre optic terminal (FOT) equipment patch cords.
- Modular design offers maximum flexibility to satisfy both current needs and future growth requirements.
- A full line of options and accessories ensures compatibility with existing optical equipment.
- FL2000 systems accommodate value-added plug-in modules, adding flexibility and functionality to the optical transport systems. Splitters, wavelength division multiplexers (WDMs) and other optical components can be easily incorporated.
- All FL2000 panels and boxes accommodate modular FL2000 6pak plug-ins. 6paks are available in all connector styles and can be ordered as needed.
- The patented removable angled retainers allow easy access for single fibre maintenance.
- FL2000 panels and boxes feature superior vertical cable protection and management.
- Rack mount panels are hinged on one side, allowing full access to the rear of the front plate and the interior of the panel.
- Rack mount panels are equipped with mounting brackets to provide 127mm (5-inch) recess mounting; mounting brackets are available for virtually any mounting application.
- The FL2000 splice wheel allows easy roll-up of pigtail and buffer tube lengths and superior bend radius protection.
- The FL2000 splice deck is available to complete existing installations.

FL2000 Panel System

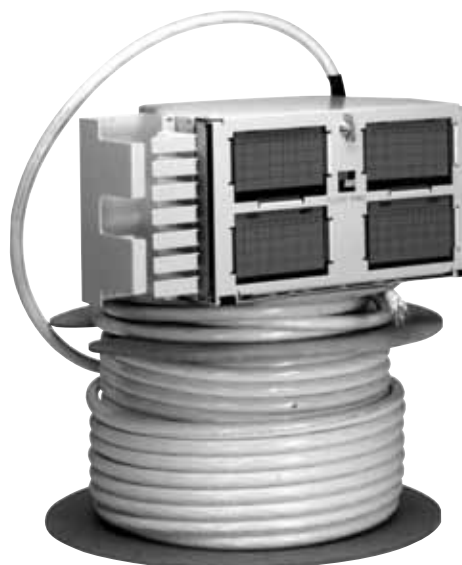
Rack or Cabinet Mount Termination Panels

Preconfigured Panels with Multifibre Cable



Features

- Available with factory-installed multifibre intrafacility cable (IFC) or OSP cable
- Panels with multifibre cable attached ship as a single unit with cable clamp installed
- Panels come equipped with customer specified number of adapters, retainers, connectors, cable type and cable length
- Panels with multifibre cable attached save costly installation time
- Simplifies ordering process by allowing one part number for the panel, adapters, connectors and cable
- Multiple mounting styles available



Ordering information follows on the next page.

FL2000 Panel System

Rack or Cabinet Mount Termination Panels

Preconfigured Panels with Multifibre Cable

6 / 0 7 • 6 3 5 6 _ a u • Fibre Connectivity Solutions

Fibre Panel Solutions

Catalogue Number
 FL2 - 0 - 0

Panel Type

S	Singlemode
M	Multimode

Nominal Capacity Panel Height

1	12-position	44.5mm (1.75") (1RU)
2	24-position	88.9mm (3.5") (2RU)
3	36-position	133.4mm (5.25") (3RU)
4	48-position	133.4mm (5.25") (3RU)
7	72-position	222.3mm (8.75") (5RU)
9	96-position	266.7mm (10.5") (6RU)

Connector Style

Multimode	
9	SC
D	Duplex SC
5	ST®
Y	LX.5®¹
6	LC¹
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8° APC
E	Duplex SC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
4	ST® UPC
P	ST® UPC, zirconia sleeve adapter
X	LX.5®
8	LC
1	FC hybrid (FC connector on front; SC connector on back of bulkhead)
3	ST® hybrid (ST® connector on front; SC connector on back of bulkhead)

Cable Size

1	12
2	24
3	36
4	48
7	72
9	96
A	144
Z	2 x 12
Y	2 x 24
X	2 x 36
W	2 x 48

Latch Type

0	Standard
1	Hole plug
2	Screwdriver
5	K1 lock
6	K2 lock

Cable Exit Direction

U	Up
D	Down

Mounting Style²

A	19" (482.6mm) standard (19.6" [497.8mm] overall)
B	19" (482.6mm) maximum (19" [482.6mm] overall)
C	19" (482.6mm) flush mount
D	23" (584.2mm) centred
E	23" (584.2mm) with oversized VCG
F	ETSI flush mount
H	600mm

Length in Metres

XXX	Cable length (metres)
-----	-----------------------

Cable Type

Multimode	
C	IFC stranded (62.5/125)
Singlemode	
A	IFC stranded riser-rated
F	Plenum stranded
G	OSP single armor stranded
H	Indoor-outdoor stranded
J	OSP dielectric stranded
K	IFC stranded Maxi-Strip
M	IFC ribbon riser-rated
T	OSP dielectric ribbon
L	OSP armored ribbon

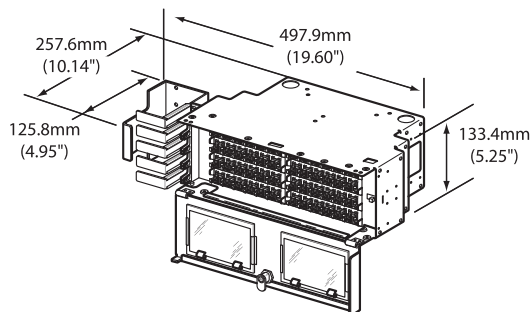
¹ LX.5® and LC connectors and adapters double the capacity of the panel by terminating two fibres at each adapter.

² Mounting kit shipped unattached, if other than standard mounting style.

FL2000 Panel System

Rack or Cabinet Mount Termination Panels

Preconfigured Panels with Pigtails



6 / 0 7 • 6 3 5 6 _ a u • Fibre Connectivity Solutions

Catalogue Number
 FL2 - 1 2 3 4 5 6 7 8 9 10 11 12

Panel Type

R	Termination only
---	------------------

Nominal Capacity Panel Height

1	12-position	44.5mm (1.75") (1RU)
2	24-position	88.9mm (3.5") (2RU)
3	36-position	133.4mm (5.25") (3RU)
4	48-position	133.4mm (5.25") (3RU)
7	72-position	222.3mm (8.75") (5RU)
9	96-position	266.7mm (10.5") (6RU)

Connector Style

Multimode	
9	SC
D	Duplex SC
5	ST®
Y	LX.5®¹
6	LC¹
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8° APC
E	Duplex SC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
4	ST® UPC
P	ST® UPC, zirconia sleeve adapter
X	LX.5®
8	LC
1	FC hybrid (FC connectors on front; SC connector on back of bulkhead)
3	ST® hybrid (ST® connector on front; SC connector on back of bulkhead)

Number of Ports Loaded

Pigtail or Adapter Type

A	Adapters only
P	6-fibre softwall bundle
H	6-fibre Maxi-Strip
R	12-fibre ribbon
K	12-fibre softwall bundle²
Y	12-fibre Maxi-Strip²

Mounting Style³

A	19" (482.6mm) standard (19.6" [497.8mm] overall)
B	19" (482.6mm) maximum (19" [482.6mm] overall)
C	19" (482.6mm) flush mount
D	23" (584.2mm) centred
E	23" (584.2mm) with oversized VCG
F	ETSI flush mount
H	600mm

Latch Type

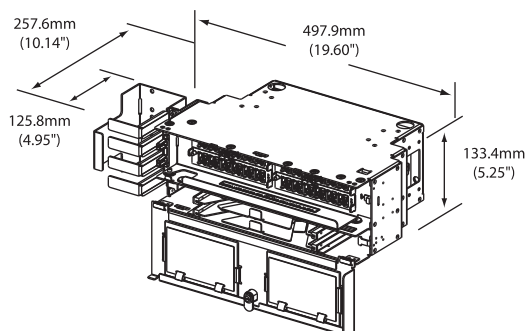
0	Latch
1	Hole plug
2	Screwdriver
5	K1 lock
6	K2 lock

¹ LX.5® and LC connectors and adapters double the capacity of the panel by terminating two fibres at each adapter.
 ² For use with LX.5® and LC.
 ³ Mounting kit shipped unattached, if other than standard mounting style.

FL2000 System

Rack or Cabinet Mount Termination/Splice Panels

Preconfigured Panels with Pigtails



6 / 0 7 • 6 3 5 6 _ a u • Fibre Connectivity Solutions

Fibre Panel Solutions

Catalogue Number												
FL2 -	1	2	3	4	5	6	7	8	9	10	11	12

Panel Type

C	Termination/Splice
---	--------------------

Number of Ports Loaded

Number of Splice Decks

Latch Type

0	Latch
1	Hole plug
2	Screwdriver
5	K1 lock
6	K2 lock

Nominal Capacity

Panel Height

1	12-position	88.9mm (3.5") (2RU)
2	24-position	133.4mm (5.25") (3RU)
4	48-position	222.3mm (8.75") (5RU)
7	72-position	355.6mm (14.00") (8RU)
9	96-position	444.5mm (17.50") (10RU)

Pigtail or Adapter Type

A	Adapters only
P	6-fibre softwall bundle
H	6-fibre Maxi-Strip
R	12-fibre ribbon
K	12-fibre softwall bundle ²
Y	12-fibre Maxi-Strip ²

Number of Cable Clamps

0	1 clamp (standard)
2	2 clamps

Connector Style

Multimode	
9	SC
D	Duplex SC
5	ST®
Y	LX.5® ¹
6	LC ¹
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8°APC
E	Duplex SC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
4	ST® UPC
P	ST® UPC, zirconia sleeve adapter
X	LX.5®
8	LC
1	FC hybrid (FC connectors on front; SC connector on back of bulkhead)
3	ST® hybrid (ST® connector on front; SC connector on back of bulkhead)

Splice Type

0	None or N/A
M	Mechanical (wheel)
W	Heat shrink fusion (wheel)
1	Bare fusion (deck)
2	Heat shrink fusion (deck)
3	Mechanical (deck)
7	Raychem universal (deck)
8	Nortel (deck)
A	Crimp (sandwich) (wheel)
K	FAME 6 (deck)

Splice Type²

M	Mechanical (wheel)
N	Nortel (wheel)
A	Crimp (sandwich) (wheel)

Mounting Style³

A	19" (482.6mm) standard (19.6" [497.8mm] overall)
B	19" (482.6mm) maximum (19" [482.6mm] overall)
C	19" (482.6mm) flush mount
D	23" (584.2mm) centred
E	23" (584.2mm) with oversized VCG
F	ETSI flush mount
H	600mm

¹ LX.5® and LC connectors and adapters double the capacity of the panel by terminating two fibres at each adapter.

² For use with LX.5® and LC.

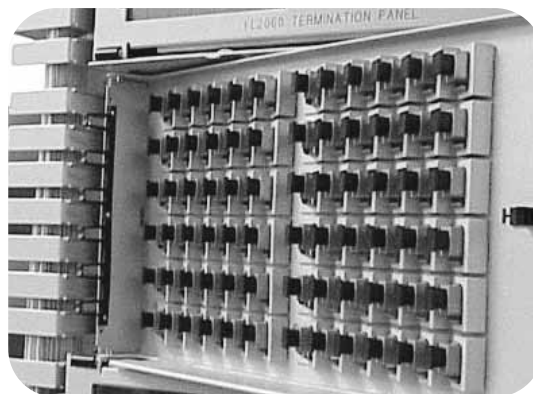
³ Mounting kit shipped unattached if other than standard mounting style.

FL2000 Panel System

Termination Panels with MTRJ Connectors

Features

- Superior vertical cable protection and management
- Panels come preconfigured (6paks installed)
- Panels hinged on one side, allowing full access to the rear of the front plate and the interior of the panel
- Equipped with mounting brackets to provide 127mm (5-inch) recess mounting; mounting brackets available for virtually any mounting application
- Complete line of accessories, including locks for security



Catalogue Number

FL2- 1 2 3 0 4 5 6 A 0 - 0 10 11 12

Panel Type

R	Termination only rack mount
---	-----------------------------

Nominal Capacity/Panel Height

1	12-position putty/44.5mm (1RU)
2	24-position putty/88.9mm (2RU)
3	36-position putty/133.4mm (3RU)
4	48-position putty/133.4mm (3RU)
7	72-position putty/222.3mm (5RU)
9	96-position putty/266.7mm (6RU)
A	12-position black/44.5mm (1RU)
B	24-position black/88.9mm (2RU)
C	36-position black/133.4mm (3RU)
D	48-position black/133.4mm (3RU)
E	72-position black/222.3mm (5RU)
F	96-position black/266.7mm (6RU)

Adapter Style

M	MTRJ (pass through adapters only)
S	MTRJ workstation jack (putty)
B	MTRJ secure keyed jack (blue)
G	MTRJ secure keyed jack (green)
H	MTRJ secure keyed jack (yellow)
W	MTRJ secure keyed jack (red)

Fibre Connections*

012	12
024	24
036	36
048	48
072	72
096	96
144	144
192	192

* Each position = 2 fibre connections
(e.g., 24-position panel fully loaded with MTRJ = 48 fibre connections).

Pigtail or Adapter Type

A	Adapters only
---	---------------

Number of Cable Clamps

0	0 clamps (standard)
---	---------------------

Latch Type

0	Standard
1	Hole plug
2	Screwdriver
3	K3 lock
4	K4 lock
5	K1 lock
6	K2 lock

Mounting Style

A	19" (482.6mm) standard (19.6" (497.8mm) overall)
B	19" (482.6mm) maximum (19" (482.6mm) overall)
C	19" (482.6mm) flush mount
D	23" (584.2mm) centred
E	23" (584.2mm) oversized VCG

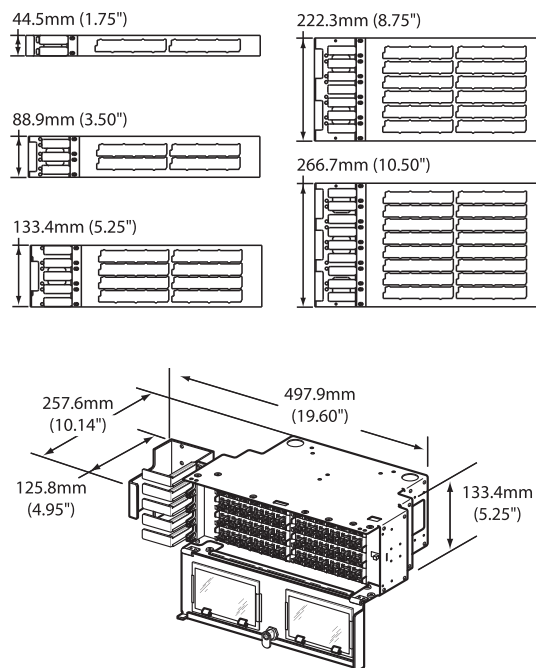
FL2000 Panel System

Rack or Cabinet Mount Termination Panels

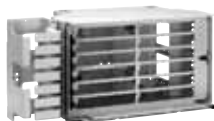
Empty Termination Panels

Features

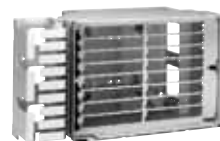
- Mounting
 - 19" EIA rack or cabinets, standard 127mm (5-inch) recess
 - Wall mounting option available
 - Other mounting kits available. Please see pages 4.21-4.23
- Hinged on left front side; allows full access to rear of front plate and interior of panel
- FL2000 6pak adapter plug-ins ordered separately
- Constructed of high strength aluminum
- Equipped with removable metal doors with Plexiglas windows
- Designation labels included with each panel
- Complete line of accessories including locks for security, cable clamp kits, bonding/grounding kits, ordered separately



24-fibre capacity



72-fibre capacity



96-fibre capacity

Ordering Information

Description	Panel Height	Catalogue Number
Rack or cabinet mount termination panel Includes vertical cable management trough		
12-fibre capacity	44.5mm (1.75")	FL2-12RPNL
24-fibre capacity	88.9mm (3.50")	FL2-24RPNL
36-fibre capacity	133.4mm (5.25")	FL2-36RPNL
48-fibre capacity	133.4mm (5.25")	FL2-48RPNL
72-fibre capacity	222.3mm (8.75")	FL2-72RPNL
96-fibre capacity	266.7mm (10.50")	FL2-96RPNL
Accessories		
Wall mount bracket—12 fibre capacity panel only		FL2-ACC008

Panels with right front hinge and VCG are also available, although they are not standard products. Please contact ADC KRONE for information.

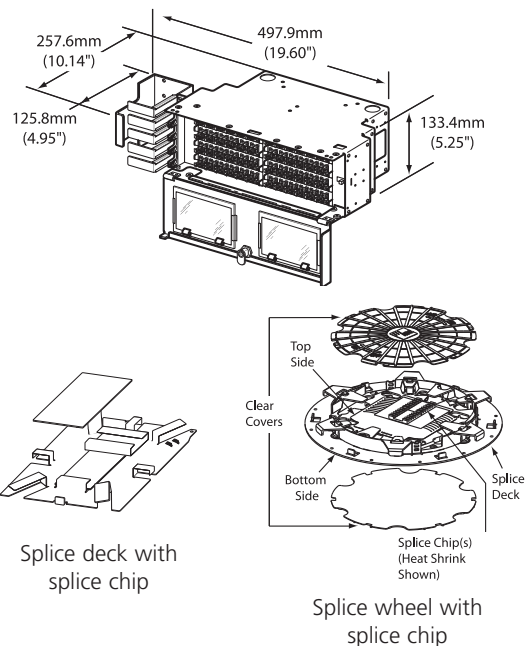
FL2000 Panel System

Rack or Cabinet Mount Splice Panels

Empty Splice Panels

Features

- Offers combination of splicing protection and associated fibre/pigtail storage
- Splice panel can be mounted in conjunction with any FL2000 termination panel or as a stand-alone splice panel
- Occupies same footprint and offers same mounting options as FL2000 termination panels (see page 4.21-4.23)
- Accepts the ADC KRONE splice wheel for efficient management of fibre cable and splice protection
- Accepts the traditional ADC KRONE splice deck
- Complete line of accessories including locks for security, cable clamp kits, bonding/grounding kits, ordered separately



Ordering Information

Description	Panel Height	Catalogue Number
Splice panel for splice wheel (Accepts splice wheel only)		
48-fibre capacity	88.9mm (3.5")	FL2-48SPNL2
96-fibre capacity	177.8mm (7")	FL2-96SPNL2
144-fibre capacity	222.3mm (8.75")	FL2-144SPNL2
Splice wheel with splice chip		
Heat shrink fusion		FST-DRS12-HS
Mechanical		FST-DRS12-MT
Nortel		FST-DRS24-NT
Crimp (sandwich)		FST-DRS12-ANT
FAME 6		FL2-RSPLCE-FM
Splice panel for splice deck (for existing installations) (Also accepts splice wheel)		
48-fibre capacity	88.9mm (3.5")	FL2-48SPNL
96-fibre capacity	177.8mm (7")	FL2-96SPNL
144-fibre capacity	222.3mm (8.75")	FL2-144SPNL
Splice deck with splice chip (for existing installations)		
Heat shrink fusion		FL2-RSPLCE-HS
Mechanical		FL2-RSPLCE-MT
Bare fusion		FL2-RSPLCE-FT
Nortel		FL2-RSPLCE-NT

Panels with right front hinge and VCG are also available, although they are not standard product. Please contact ADC KRONE for information.

FL2000 Panel System

Rack or Cabinet Mount Termination/Splice Panels

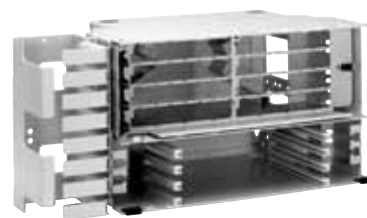
Empty Termination/Splice Panels

Features

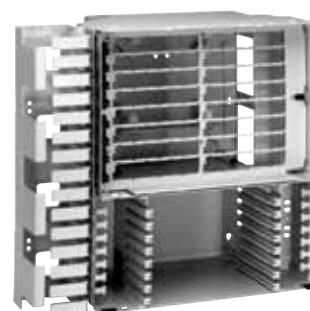
- Mounting
 - 19" EIA racks or cabinets, standard 127mm (5-inch) recess
 - Wall mounting option available
 - Other mounting kits available. Please see pages 4.21-4.23
- Hinged on left front side¹ for complete access to interior of termination section
- Ability to quickly and easily configure, utilising the 6pak assemblies (ordered separately)
- Complete line of accessories including locks for security
- Uses ADC KRONE splice wheels or splice decks



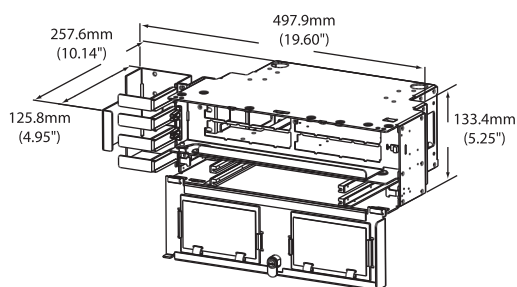
24-position



48-position



96-position



Ordering Information

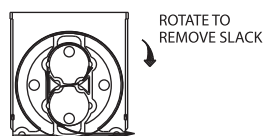
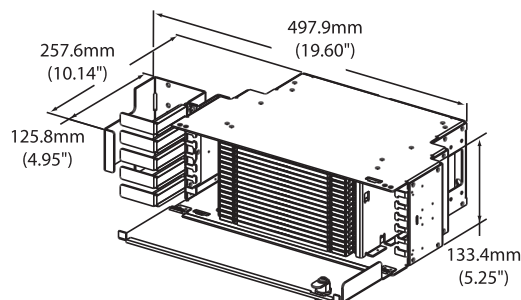
Description	Panel Height	Catalogue Number
Termination/splice panel		
12-position	88.9mm (3.5")	FL2-12TS350
24-position	133.4mm (5.25")	FL2-24TS525
48-position	222.3mm (8.75")	FL2-48TS875
72-position	355.6mm (14")	FL2-72TS140
96-position	444.5mm (17.5")	FL2-96TS175
Splice wheel with splice chip		
Heat shrink fusion		FST-DRS12-HS
Mechanical		FST-DRS12-MT
Nortel		FST-DRS24-NT
Crimp (sandwich)		FST-DRS12-ANT
FAME 6		FL2-RSPLCE-FM
Splice deck with splice chip		
Heat shrink fusion		FL2-RSPLCE-HS
Mechanical		FL2-RSPLCE-MT
Bare fusion		FL2-RSPLCE-FT
Nortel		FL2-RSPLCE-NT

Panels with right front hinge and VCG are also available, although they are not standard product. Please contact ADC KRONE for information.

Fibre Storage Disk

Features

- Provides jumper storage for 3mm patch cords —one patch cord per disk
- Stores 3.8 metres of patch cord in each disk
- Rack, cabinet or wall mount



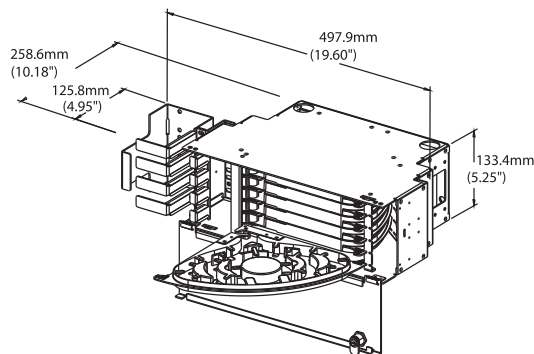
Ordering Information

Description	Dimensions (HxWxD)	Catalogue Number
Fibre storage disk		
16 disks	133.4mm x 482.6mm x 258.1mm (5.25" x 19" x 10.19")	FL2-16FSD525
24 disks	222.3mm x 482.5mm x 258.1mm (8.75" x 19" x 10.19")	FL2-28FSD875

Fibre Storage Tray

Features

- Provides jumper storage for 2mm and 3mm patch cords
- Stores 20 metres (66-feet) per tray of 3mm cable, 35 metres (115-feet) per tray of 2mm cable, 1 patch cord per tray
- Rack or cabinet mount



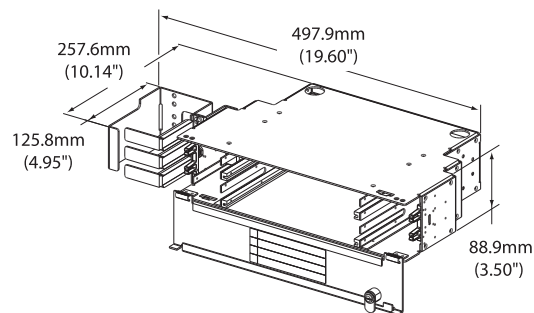
Ordering Information

Description	Dimensions (HxWxD)	Catalogue Number
Fibre storage tray with 6 trays	133.4mm x 482.5mm x 258.1mm (5.25" x 19" x 10.19")	FL2-CST60525

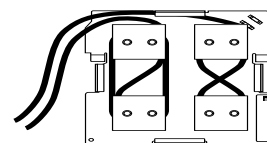
Storage Deck Panel

Features

- Mounts with FL2000 termination panels to provide jumper storage
- Wall, rack, or cabinet mount
- Utilises unique storage decks for patch cord storage
- Each storage deck accommodates up to 29 metres (96-feet) of 3mm cable, and 39 metres (129-feet) of 2mm cable, two to four cables per tray.



FL2000 storage deck panel (front view)



Storage deck (top view)

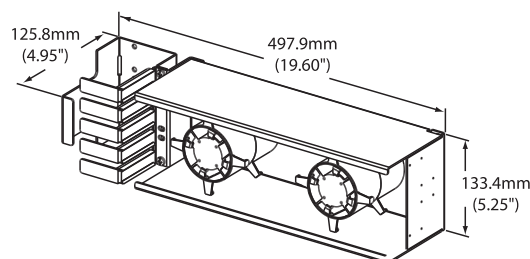
Ordering Information

Description	Dimensions (HxWxD)	Catalogue Number
Storage deck panels (storage decks ordered separately)		
2 storage deck capacity;	88.9mm x 482.5mm x 258.1mm (3.5" x 19" x 10.19")	FL2-2RSTORE
6 storage deck capacity;	222.3mm x 482.6mm x 258.1mm (8.75" x 19" x 10.19")	FL2-6RSTORE
Storage deck		FL2-TR2000

Horizontal Interbay Management Panel

Features

- Mounts horizontally in a bay to manage jumper storage
- May be modified for flush or wall mount applications
- Stores up to 75 metres (248-feet) of cable



Ordering Information

Description	Catalogue Number
Horizontal interbay management panel	FL2-HZSTORE
Horizontal interbay management panel for 600mm centred mounting	FL2-HZSTORE-600
Horizontal interbay management panel for flush mounting	FL2-HZSTORE-FLMT
Wall bracket for wall mounting	FL2-HZSTORE-WMNT

FL2000 Panel System

6pak Adapter Plug-Ins

Features

- Completely interchangeable between FL2000 panel and wall box products
- Can be ordered with all standard types of simplex and duplex single and multimode adapters and connectors
- Feature patented removable angled retainers which provide superior fibre management
- No tools required to install into FL2000 boxes or panels
- Can be ordered with adapters only, or for quick and easy installation, with preterminated 3 metre (9.84-feet) or 5 metre (16.4-feet) pigtails

Ordering Information

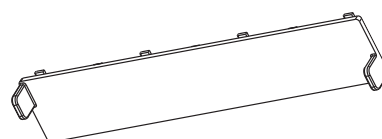
Description	Catalogue Number
Multimode	
SC	FL2-6PMMSC
ST®	FL2-6PMMST
FC	FL2-6PMMFC
SC (duplex)	FL2-6PMMDSC
SC, zirconia sleeve	FL2-6PMMSC-Z
ST®, zirconia sleeve	FL2-6PMMST-Z
FC, zirconia sleeve	FL2-6PMMFC-Z
LX.5®	FL2-6PMMMLX
LC	FL2-6PMMMLC
Singlemode	
SC UPC	FL2-6PSMSC
SC UPC, zirconia sleeve	FL2-6PSMSC-Z
SC 8° APC	FL2-6PSMASC
SC duplex	FL2-6PSMDSC
E2000 8° APC	FL2-6PSMAE2
FC UPC	FL2-6PSMFC
FC UPC, zirconia sleeve	FL2-6PSMFC-Z
FC 8° APC	FL2-6PSMAFC
ST® UPC	FL2-6PSMST
ST® UPC, zirconia sleeve	FL2-6PSMST-Z
LX.5®	FL2-6PSMALX
LC	FL2-6PSMLC
Hybrid: FC front, SC back	FL2-6PSMFC/SC
Hybrid: ST® front, SC back	FL2-6PSMST/SC
6pak blank plug-in	FL2-6PBLNK



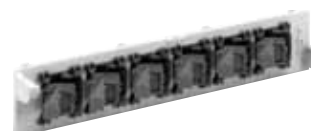
6pak plug-In (shown with singlemode duplex adapters)



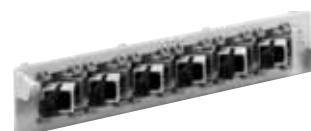
6pak plug-In (shown with multimode duplex adapters)



6pak blank plug-in



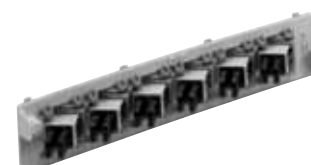
6pak plug-in (shown with singlemode simplex adapters)



6pak plug-in (shown with multimode simplex adapters)



6pak plug-in (shown with singlemode LX.5® adapters)



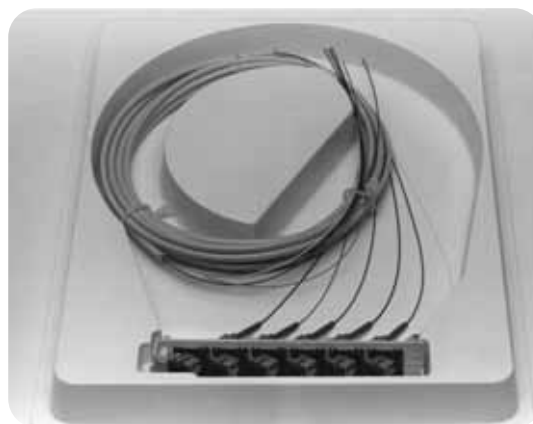
6pak plug-in (shown with multimode LX.5® adapters)

FL2000 Panel System

6pak Connector Plug-Ins

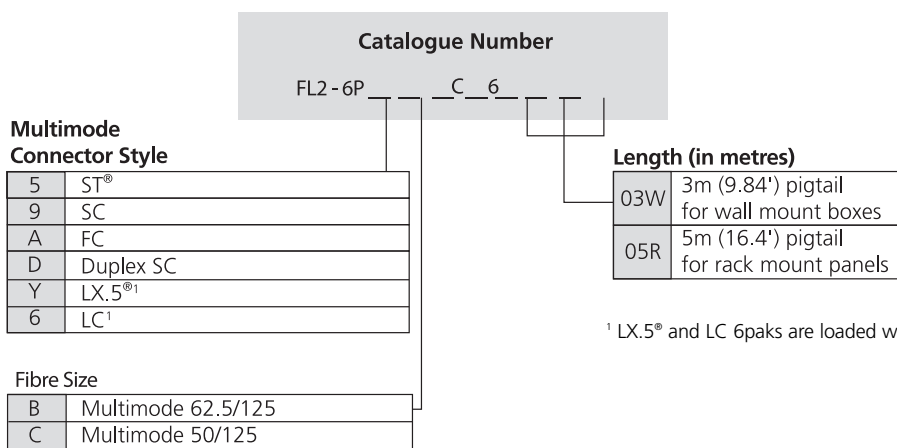
Features

- Available with preterminated 3 metre (9.84-feet) or 5 metre (16.4-feet) pigtails
- Pigtails consist of a single outer jacket containing six colour-coded 900µm fibres
- One end of pigtail terminated to chosen connector style and installed into the 6pak plug-in adapters
- ADC KRONE recommends specific breakouts for panel and wall mount box products
- Saves installation time



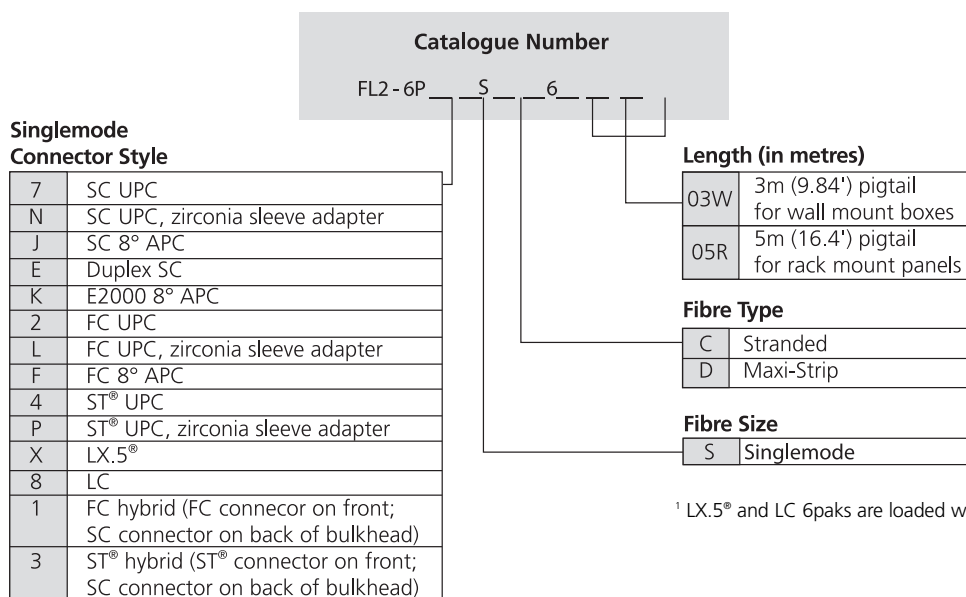
FL2000 6pak plug-in with SC adapters and pigtails

Multimode Pigtails and Adapters



¹ LX.5[®] and LC 6paks are loaded with 12 fibre pigtails

Singlemode Pigtails and Adapters



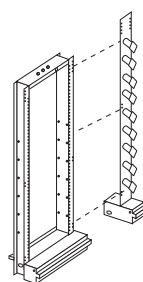
¹ LX.5[®] and LC 6paks are loaded with 12 fibre pigtails

FL2000 Panel System

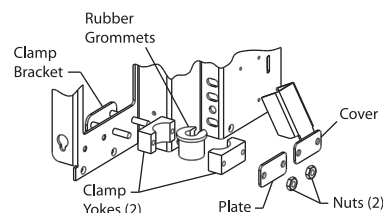
Accessories



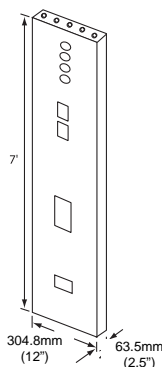
Locks



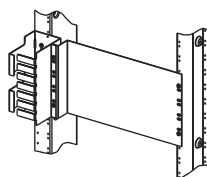
Interbay management panel
E-501-L139



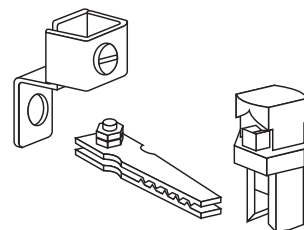
Cable clamp kit



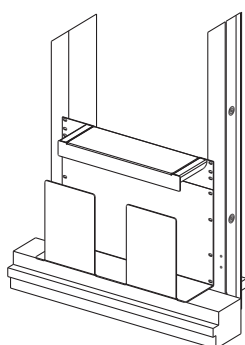
End guard
UEGP-7PW



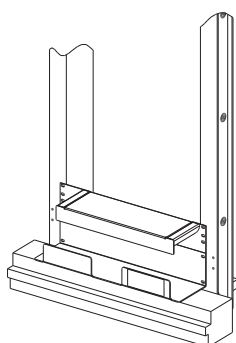
Blank VCG
FL2-BLNKFULL0875



Bonding/grounding kit



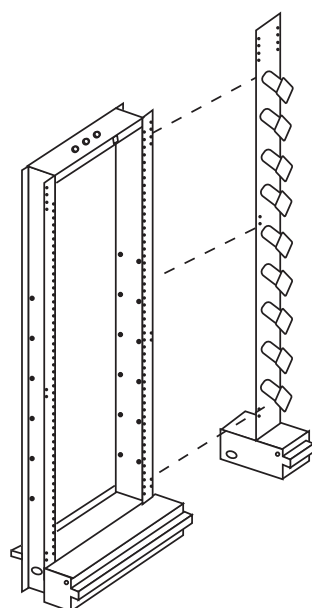
355.6mm (14")
Lower cable trough
FL2-ACC011



177.8mm (7")
Lower cable trough
FL2-ACC012

Ordering Information

Description	Catalogue Number
Locks for rack mount panels	
Key lock #1; includes lock and key #1	IPA-K1
Key lock #2; includes lock and key #2	IPA-K2
End guards 2.14m H x 63.5mm W x 304.8mm D; right or left side; putty white	UEGP-7PW
Interbay management panel 2.14m x 127mm mounts to a standard 19" rack	E-501-L139
Lower cable trough	
355.6mm H x 482.6mm W x 127mm D	FL2-ACC011
177.8mm H x 482.6mm W x 127mm D	FL2-ACC012
Bonding/grounding kit—kit of 1	FL2-ACC006
Cable clamp kit—kit of 1	
Outer diameter 5mm to 20mm (.2" to .8")	FL2-ACC007
Outer diameter 15mm to 23mm (.6" to .9")	FL2-ACC021
Cable clamp kit —For use with 12 fibre termination or termination/splice panels	FL2-ACC033
Blank VCG to add cable management to frame not fully loaded with panels	
88.9mm (3.5")	FL2-BLNKVCG0350
222.3mm (8.75")	FL2-BLNKVCG0875
266.7mm (10.5")	FL2-BLNKVCG1050
Blank VCG with blank panel for aesthetics	
88.9mm (3.5")	FL2-BLNKFULL0350
133.4mm (5.25")	FL2-BLNKFULL0525
177.8mm (7.0")	FL2-BLNKFULL0700
222.3mm (8.75")	FL2-BLNKFULL0875
266.7mm (10.5")	FL2-BLNKFULL1050



Interbay Management Panel
E-501-L139

Ordering Information

Description	Catalogue Number
Interbay Management Panel (IMP) for 19" or 23" (482.6mm or 584.2mm) racks Width: 127mm (5") Height: 2140mm (7')	E-501-L139
Interbay Management Panels (IMP) and Inner IMPS for 600mm and 800mm cabinets and racks.	
Vertical IMP for mounting on ADC KRONE total front access 600mm wide frames or FL2000 panels with H mounting style. When mounted, does not exceed 600mm total width. Width: 101.6mm (4") Height: 660.4mm (26")	FL2-EUROIMP-26-600A
Vertical IMP for mounting on ADC KRONE total front access 600mm wide frames or FL2000 panels with H mounting style. When mounted, 600mm frame width is exceeded by 100mm. Width: 213.36mm (8.4") Height: 2133.6mm (84")	FL2-EUROIMP-26-600W
Full IMP for use in 800mm x 800mm cabinet with 19" mounting (482.6mm)	FL2-EUROIMP-67
Full IMP to install on rear side of 600mm x 600mm cabinet	FL2-EUROIMP-REAR
Horizontal cable trough for 600mm applications	FL2-ACC051

NOTE: For assistance in configuring the correct interbay management panel for your application, please contact ADC KRONE.

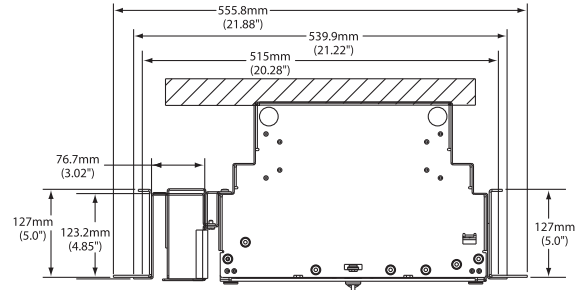
FL2000 Panel System

Mounting Options

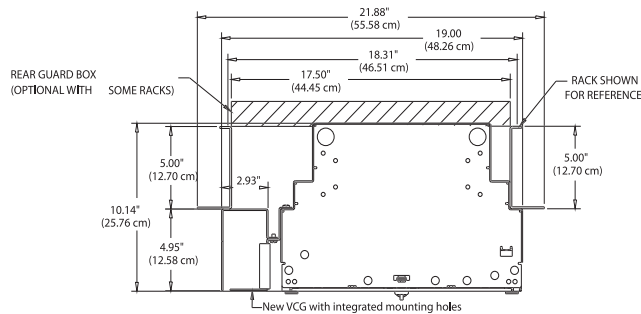
19" Rack Mounting Standard Mount (as shipped)

Features

- Panels typically shipped from factory equipped for this mounting
- Panels shipped with
 - Left-side "L" bracket
 - Left-side 63.2mm (2.5-inch) wide vertical cable guide (VCG)



Flush Mount



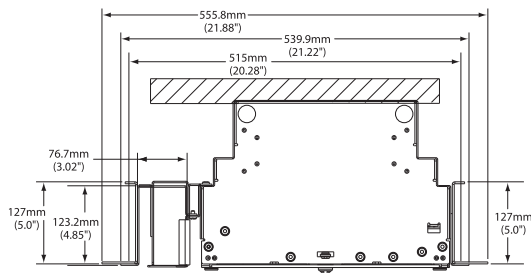
Ordering Information

Description	Panel Height	Catalogue Number
Flush mount	44.5mm (1.75")	FL2-FLMT0175
Allows 25.4mm, 50.8mm or 101.6mm (1", 2" or 4") recess mounting	88.9mm (3.5")	FL2-FLMT0350
Kit includes: new vertical cable guide and mounting flanges	133.4mm (5.25")	FL2-FLMT0525
	177.8mm (7")	FL2-FLMT0700
	222.3mm (8.75")	FL2-FLMT0875
	266.7mm (10.5")	FL2-FLMT1050

FL2000 Panel System

Mounting Options

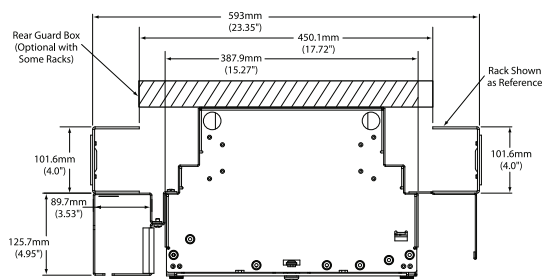
19" ETSI Mounting



Ordering Information

Description	Panel Height	Catalogue Number
19" ETSI mounting Kit includes mounting brackets, cage nuts, screws and washers	44.5mm (1.75")	FL2-ETEB0175
	88.9mm (3.5")	FL2-ETEB0350
	133.4mm (5.25")	FL2-ETEB0525
	177.8mm (7.0")	FL2-ETEB0700
	222.3mm (8.75")	FL2-ETEB0875
	266.7mm (10.5")	FL2-ETEB1050
	355.6mm (14")	FL2-ETEB1400
	444.5mm (17.5")	FL2-ETEB1700

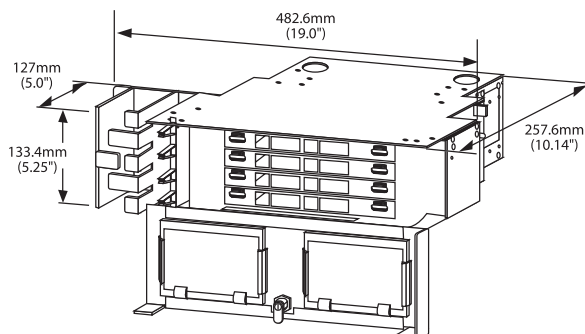
600mm Mounting



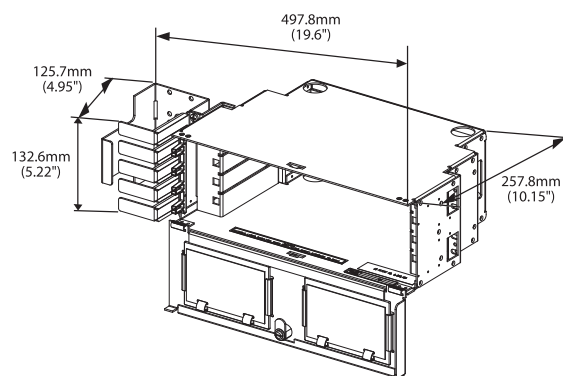
Ordering Information

Description	Panel Height	Catalogue Number
600mm mounting Kit includes 600mm vertical cable guide, panel attachment screws, mounting screws	44.5mm (1.75")	FL2-600MM0175
	88.9mm (3.5")	FL2-600MM0350
	133.4mm (5.25")	FL2-600MM0525
	177.8mm (7.0")	FL2-600MM0700
	222.3mm (8.75")	FL2-600MM0875
	266.7mm (10.5")	FL2-600MM1050
	355.6mm (14")	FL2-600MM1400
	444.5mm (17.5")	FL2-600MM1750

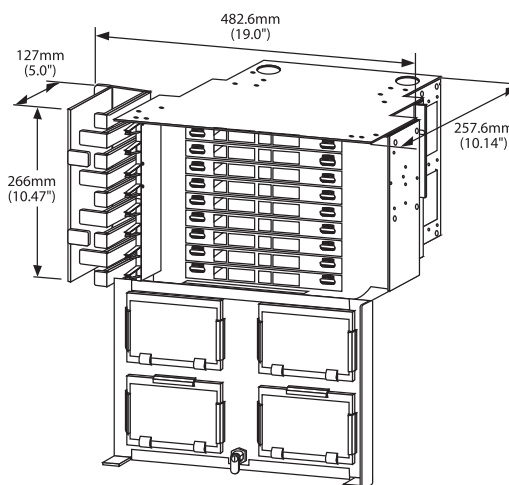
Chassis



FL2000 VAM 4-position chassis



FL2000 WideVAM™ 4-position chassis



FL2000 VAM 9-position chassis

Ordering Information

Description	Dimensions (HxWxD)	Catalogue Number
VAM chassis		
4 plug-in modules	133.4mm x 482.6mm x 257.6mm (5.25" x 19" x 10.14")	FL2-4VAM525
6 plug-in modules	152.4mm x 482.6mm x 257.6mm (6" x 19" x 10.14")	FL2-6VAM700
9 plug-in modules	266.7mm x 482.6mm x 257.6mm (10.5" x 19" x 10.14")	FL2-9VAM105
WideVAM™ chassis		
Chassis for 19" EIA mounting; accommodates 4 WideVAM plug-in modules	133.4mm x 482.6mm x 257.6mm (5.25" x 19" x 10.14")	FL2-4WVAM3RU
Chassis for 19" EIA mounting for 600mm skeleton bay; accommodates 4 WideVAM plug-in modules	133.4mm x 482.6mm x 257.6mm (5.25" x 19" x 10.14")	FL2-4WVAM3RU-600

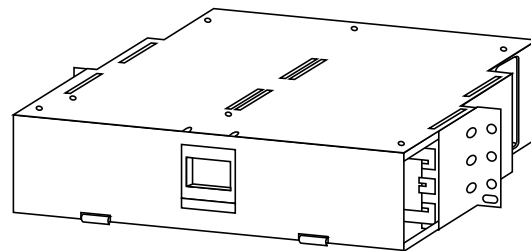
Note: The FL2000 VAM system is designed to accept **only front access modules**; i.e., all input and output adapters, pigtails and/or bare fibres must be located on the front of the plug-in modules.

Value-Added Module System

19-Inch Panel Solutions

3.5-Inch (2RU) Chassis— 4 Single Plug-In Modules

The 3.5-inch VAM chassis fits into any 19-inch rack mounting environment. It accommodates a maximum of four plug-in modules, four bulkhead plates, four blank panels or any combination thereof. Adjustable mounting brackets are provided for 23-inch mounting environments.



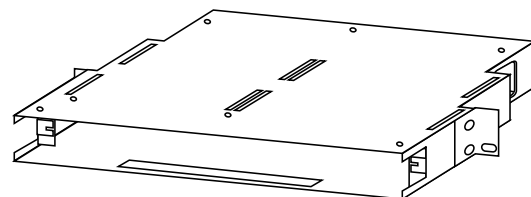
FVM-19X350

Ordering Information

Description	Dimensions (HxWxD)	Catalogue Number
Unloaded chassis for 19" or 23" racks	88.9mm x 482.6mm or 582.6mm x 304.8mm (3.5" x 19" or 23" x 12")	FVM-19X350

1.75-Inch (1RU) Chassis— 2 Single Plug-In Modules

The 1.75-inch VAM chassis fits into any 19-inch rack mounting environment. It accommodates a maximum of two plug-in modules, two bulkhead plates, two blank panels or any combination thereof. Adjustable mounting brackets are provided for 23-inch mounting environments.



FVM-19X175

Ordering Information

Description	Dimensions (HxWxD)	Catalogue Number
Unloaded chassis for 19" or 23" racks; no front door	44.5mm x 482.6mm or 582.6mm x 304.8mm (1.75" x 19" or 23" x 12")	FVM-19X175

Value-Added Modules

FL2000¹ and 19-Inch Systems

Splitter Module

Catalogue Number		
VSM-		-
Module Options		Splitter Type
2	Input front, output front	LEAVE BLANK Wideband—1310 and 1550nm
3	Input front, output rear	G 1310nm wavelength flattened
4	Input rear, output rear	J 1550nm wavelength flattened
5	Input rear, output front	M Multimode couplers—optimised for use with laser or LED sources
Input Connector/Adapter		Output Pigtail Length
Output Connector/Adapter		
Split Ratio (%)		Input Pigtail Length
2000	1x2	50/50
2100	1x2	55/45
2200	1x2	60/40
2400	1x2	70/30
2600	1x2	80/20
2800	1x2	90/10
2900	1x2	95/5
3900	1x3	33/33/33
4900	1x4	25/25/25/25
5300	1x5	20/20/20/20/20
6000	1x6	16.6/16.6/16.6/16.6/16.6/16.6
8000	1x8	12.5/12.5/12.5...12.5
G116	1x16	6.25/6.25/6.25/...6.25
Singlemode		Number of Splitters ³
7U	SC UPC	
7A	SC 8°APC	
8A	E2000 8° APC	
2U	FC UPC	
2A	FC 8° APC	
4U	ST® UPC	
LU	LX.5° UPC	
LA	LX.5° APC	
KU	LC UPC	
KA	LC APC	
00	Bare fibre	
Multimode ²		
9A	SC 50/125	
9B	SC 62.5/125	
2M	FC 62.5/125	
2N	FC 50/125	
LM	LX.5° 62.5/125	
LN	LX.5° 50/125	
5F	ST® 50/125	
5U	ST® 62.5/125	
00	Bare fibre	
³ Maximum number of splits will vary by splitter module type and may go beyond those listed here.		

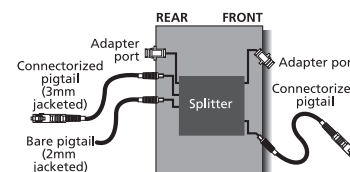
²Standard multimode couplers are for use with LED source only.

¹FL2000 VAM systems accept **only front access modules**.

This chart shows the many options available for splitter modules. For assistance in configuring the module appropriate for your application, please contact ADC KRONE.

Contact ADC KRONE for specifications.

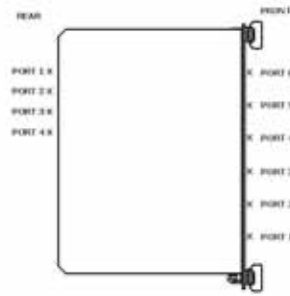
Connectorised Example



Value-Added Modules

FL2000¹ and 19-Inch Systems

Splitter Module

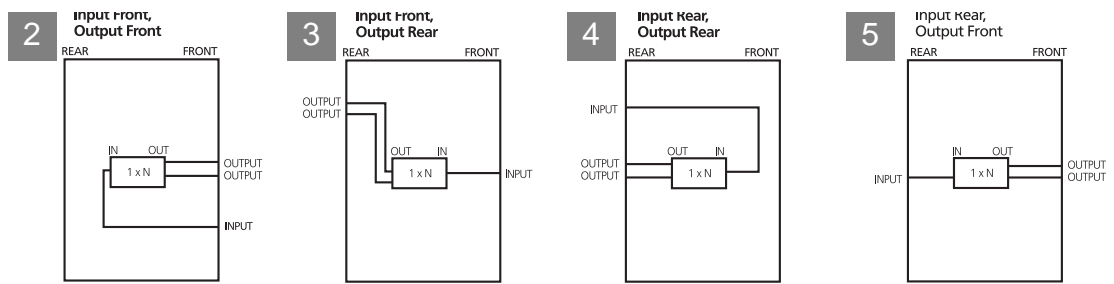


VSM—Standard

Available ports:

- 6 front
- 4 rear

Module Options



¹FL2000 VAM systems accept **only front access modules**.

Value-Added Modules

FL2000¹ and 19-inch Systems

Wavelength Division Multiplexer (WDM) Module

6 / 0 7 • 6 3 5 6 _ a u • Fibre Connectivity Solutions

Fibre Panel Solutions

Catalogue Number
WDM-

Configuration

2	MUX front, DEMUX front ¹
3	MUX front, DEMUX rear
4	MUX rear, DEMUX rear
5	MUX rear, DEMUX front

MUX Port Connector/Adapter

7U	SC UPC
7A	SC 8°APC
8A	E2000 8° APC
2U	FC UPC
2A	FC 8° APC
4U	ST® UPC
LU	LX.5° UPC
LA	LX.5° APC
KU	LC UPC
KA	LC APC
00	Bare fibre

DEMUX Port Connector/Adapter

7U	SC UPC
7A	SC 8°APC
8A	E2000 8° APC
2U	FC UPC
2A	FC 8° APC
4U	ST® UPC
LU	LX.5° UPC
LA	LX.5° APC
KU	LC UPC
KA	LC APC
00	Bare fibre

Module Configuration

A	Single
B	Dual
C	Triple

Isolation

1	Standard
2	High
3	Very high

Isolation

LEAVE BLANK	Putty
B	Black

WDM Type (λ_1 ; λ_2)

A	Unidirectional multiplexer
C	Unidirectional demultiplexer
E	Bidirectional λ_1 Tx/ λ_2 Rx
G	Bidirectional λ_1 Rx/ λ_2 Tx
J	45dB isolation, pass 1310
K	45dB isolation, pass 1550
L	(Dual only) unidirectional multiplexer, unidirectional multiplexer ²
M	(Dual only) bidirectional λ_1 Tx/ λ_2 Rx, bidirectional λ_2 Tx/ λ_1 Rx

DEMUX Port Pigtail Length

MUX Port Pigtail Length

Example (in Metres):

01 = 1m

10 = 10m

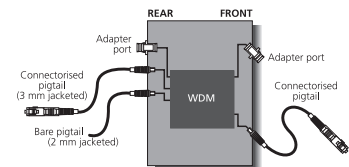
00 = Adapters only on MUX and DEMUX ports

Wavelength

A	1310 (λ_1)/1550 (λ_2)
B	1533 (λ_1)/1557 (λ_2)
C	1310/1533/1557
E	1550 (λ_1)/1625 (λ_2)
F	1310 (λ_1)/1625 (λ_2)

²WDM type "L" includes (1) unidirectional multiplexer (standard isolation) and (1) unidirectional demultiplexer (isolation specified by next character).

Connectorised Example

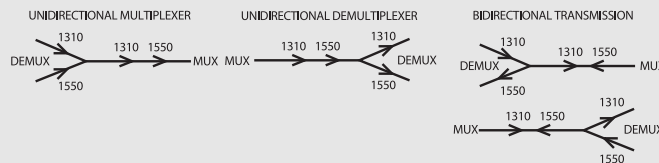


¹FL2000 VAM systems accept **only front access modules**.

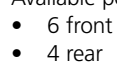
This chart shows the many options available for WDM modules. For assistance in configuring the module appropriate for your application, please contact ADC KRONE.

Contact ADC KRONE for specifications.

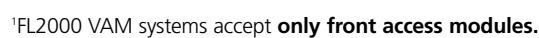
In the ordering charts, the abbreviation "mux" references the multiplexed side of the WDM, the side where two optical signals co-exist on one fibre. The abbreviation "demux" references the demultiplexed side of the WDM, the side where each signal appears on its own fibre. Both unidirectional and bidirectional WDMs are available as shown below.



Wavelength Division Multiplexer (WDM) Module



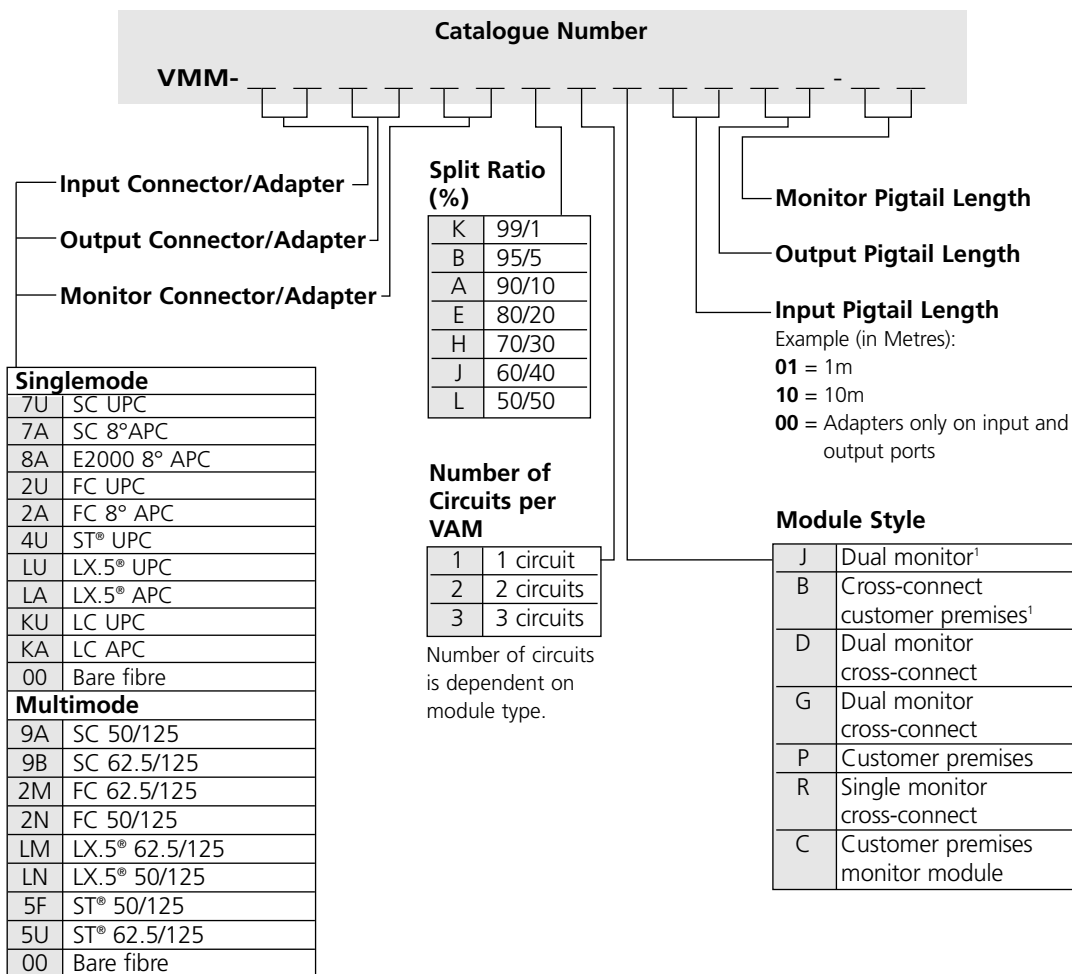
WDM Configurations



Value-Added Modules

FL2000¹ and 19-Inch Systems

Monitor Module



¹FL2000 VAM systems accept **only front access modules**.

This chart shows the many options available for monitor modules. For assistance in configuring the module appropriate for your application, please contact ADC KRONE.

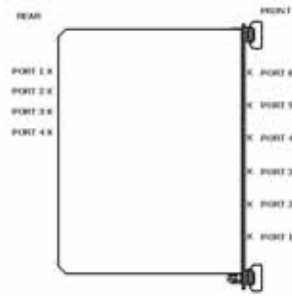
Contact ADC KRONE for specifications and additional split ratios.

Multimode couplers designed to be used with LED sources only. If you are using a different source, please contact the ADC KRONE for the appropriate solution.

Value-Added Modules

FL2000¹ and 19-Inch Systems

Monitor Module

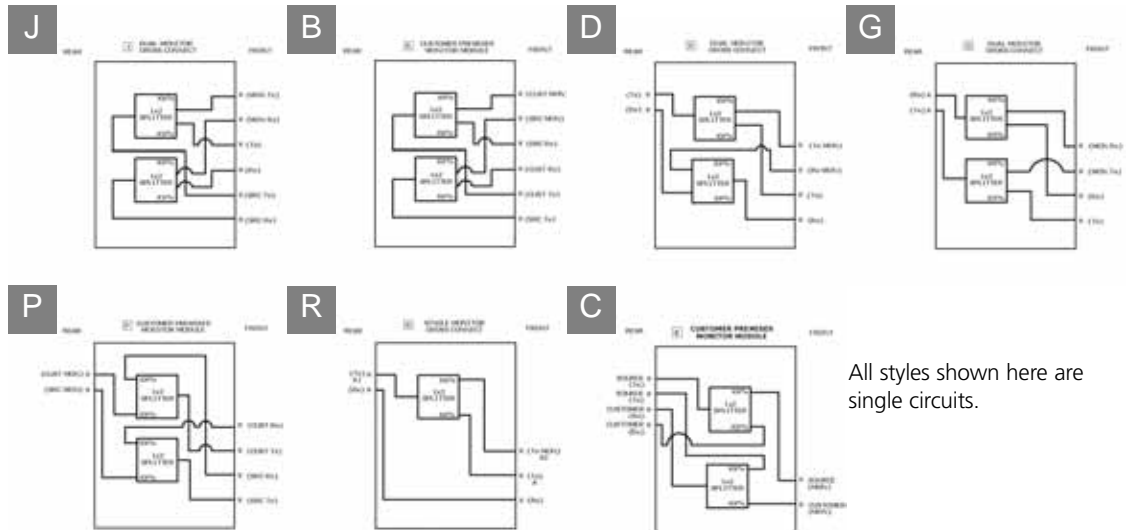


VMM—Standard

Available ports:

- 6 front
- 4 rear

Module Style

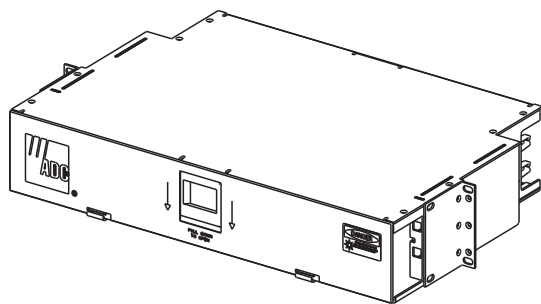


All styles shown here are single circuits.

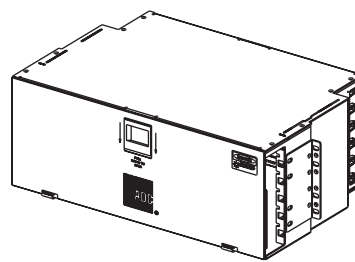
¹FL2000 VAM systems accept **only front access modules**.

Value-Added Modules

WideVAM™ Chassis



FVM-19X350W-M6



FVM-19X700W

Ordering Information

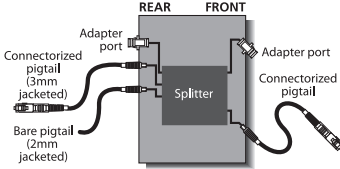
Description	Dimensions (HxWxD)	Catalogue Number
88.9mm (3.5") unloaded chassis; accommodates 2 WideVAM modules	88.9mm x 482.6mm x 304mm (3.5" x 19" x 11.97")	FVM-19X350W-M6
177.8mm (7") unloaded chassis; accommodates 6 WideVAM modules	177.8mm x 482.6mm x 303.3mm (7" x 19" x 11.94")	FVM-19X700W

Value-Added Modules

FL2000¹ and 19-Inch Systems

WideVAM™ Splitter Modules

7/06 • 6356_a u • Fibre Connectivity Solutions

Catalogue Number									
Module Type		Split Ratio (%)				Splitter Type			
FLVW-S	Wide VAM™ for FL2000	2100	1x2	55/45		LEAVE BLANK	Wideband—1310 and 1550nm		
VSMW-	Standard WideVAM™	2200	1x2	60/40		G	1310nm wavelength flattened		
		2400	1x2	70/30		J	1550nm wavelength flattened		
		2600	1x2	80/20		M	Multimode couplers—optimised for use with laser or LED sources		
		2800	1x2	90/10					
		2900	1x2	95/5					
		3900	1x3	33/33/33					
		4900	1x4	25/25/25/25					
		5300	1x5	20/20/20/20/20					
		6000	1x6	16.6/16.6/16.6/16.6/16.6/16.6					
		8000	1x8	12.5/12.5/12.5...12.5					
		G116	1x16	6.25/6.25/6.25/...6.25					
Module Options									
2	Input front, output front								
3	Input front, output rear (VSM, VSMW and MXV only)								
4	Input rear, output rear (VSM and VSMW only)								
5	Input rear, output front								
Input Connector/Adapter									
Output Connector/Adapter									
Singlemode									
7U	SC UPC								
7A	SC 8°APC								
8A	E2000 8° APC								
2U	FC UPC								
2A	FC 8° APC								
4U	ST® UPC								
LU	LX.5° UPC								
LA	LX.5° APC								
KU	LC UPC								
KA	LC APC								
00	Bare fibre								
Multimode ²									
9A	SC 50/125								
9B	SC 62.5/125								
2M	FC 62.5/125								
2N	FC 50/125								
LM	LX.5° 62.5/125 (VSM, VSMW, MXV and VLM only)								
LN	LX.5° 50/125 (VSM, VSMW, MXV and VLM only)								
5F	ST® 50/125								
5U	ST® 62.5/125								
00	Bare fibre								
Output Pigtail Length									
Input Pigtail Length									
Example (in Metres):									
01 = 1m									
10 = 10m									
00 = Adapters only on input and output ports									
Number of Splitters ³									
A	Single splitter								
B	Dual (2) splitter								
C	Triple (3) splitter								
D	Quad (4) splitter								
E	Five (5) splitters								
F	Six (6) splitters								
³ Maximum number of splits will vary by splitter module type and may go beyond those listed here.									
Connectorised Example									
									

²Standard multimode couplers are for use with LED source only.

¹FL2000 VAM systems accept **only front access modules**.

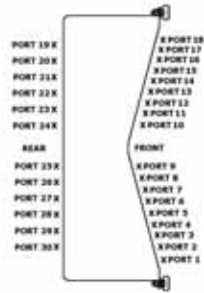
This chart shows the many options available for splitter modules. For assistance in configuring the module appropriate for your application, please contact ADC KRONE.

Contact ADC KRONE for specifications and additional split ratios.

Value-Added Modules

FL2000¹ and 19-Inch Systems

WideVAM™ Splitter Modules

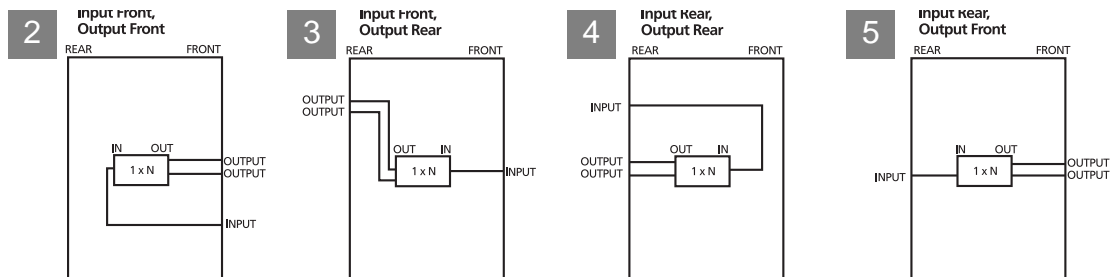


VSMW—WideVAM

Available ports:

- 18 front
- 12 rear

Module Options



¹FL2000 VAM systems accept **only front access modules**.

Value-Added Modules

FL2000¹ and 19-Inch Systems

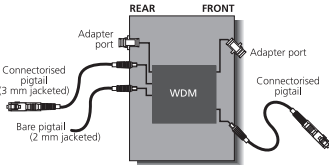
WideVAM™ Wavelength Division Multiplexer Modules

7/06 • 6356_a u • Fibre Connectivity Solutions

Catalogue Number									
Module Type		Module Configuration		Isolation		Isolation			
FLVW-M	Wide VAM™ for FL2000	A	Single	1	Standard	LEAVE BLANK	Putty		
VMMW-	Standard WideVAM™	B	Dual	2	High	B	Black		
		C	Triple	3	Very High				
Configuration				WDM Type (λ ₁ ; λ ₂) ²		DEMUX Port Pigtail Length		MUX Port Pigtail Length	
2	MUX front, DEMUX front	A	Unidirectional multiplexer					Example (in Metres):	
3	MUX front, DEMUX rear	C	Unidirectional demultiplexer					01 = 1m	
4	MUX rear, DEMUX rear	E	Bidirectional λ ₁ Tx/λ ₂ Rx					10 = 10m	
5	MUX rear, DEMUX front	G	Bidirectional λ ₁ Rx/λ ₂ Tx					00 = Adapters only on MUX and DEMUX ports	
MUX Port Connector/Adapter		J	45dB isolation, pass 1310			Wavelength			
7U	SC UPC	K	45dB isolation, pass 1550			A	1310 (λ ₁)/1550 (λ ₂)		
7A	SC 8°APC	L	(Dual only) unidirectional multiplexer, unidirectional multiplexer ²			B	1533 (λ ₁)/1557 (λ ₂)		
8A	E2000 8° APC	M	(Dual only) bidirectional λ ₁ Tx/λ ₂ Rx, bidirectional λ ₂ Tx/ λ ₁ Rx			C	1310/1533/1557		
2U	FC UPC					E	1550 (λ ₁)/1625 (λ ₂)		
2A	FC 8° APC					F	1310 (λ ₁)/1625 (λ ₂)		
4U	ST® UPC								
LU	LX.5° UPC								
LA	LX.5° APC								
KU	LC UPC								
KA	LC APC								
00	Bare fibre								
DEMUX Port Connector/Adapter									
7U	SC UPC								
7A	SC 8°APC								
8A	E2000 8° APC								
2U	FC UPC								
2A	FC 8° APC								
4U	ST® UPC								
LU	LX.5° UPC								
LA	LX.5° APC								
KU	LC UPC								
KA	LC APC								
00	Bare fibre								

²WDM type "L" includes (1) unidirectional multiplexer (standard isolation) and (1) unidirectional demultiplexer (isolation specified by next character).

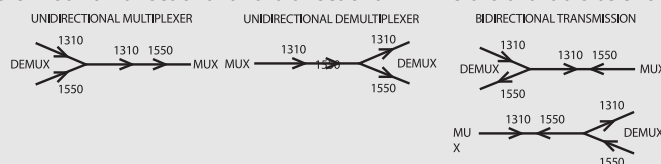
Connectorised Example



¹FL2000 VAM systems accept **only front access modules**.

This chart shows the many options available for WDM modules. For assistance in configuring the module appropriate for your application, please contact ADC KRONE. Contact ADC KRONE for specifications.

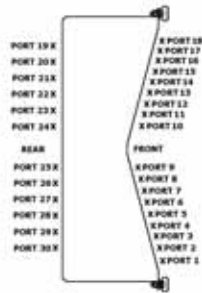
In the ordering charts, the abbreviation "mux" references the multiplexed side of the WDM, the side where two optical signals co-exist on one fibre. The abbreviation "demux" references the demultiplexed side of the WDM, the side where each signal appears on its own fibre. Both unidirectional and bidirectional WDMs are available as shown below.



Value-Added Modules

FL2000¹ and 19-Inch Systems

WideVAM™ Wavelength Division Multiplexer (WDM) Modules

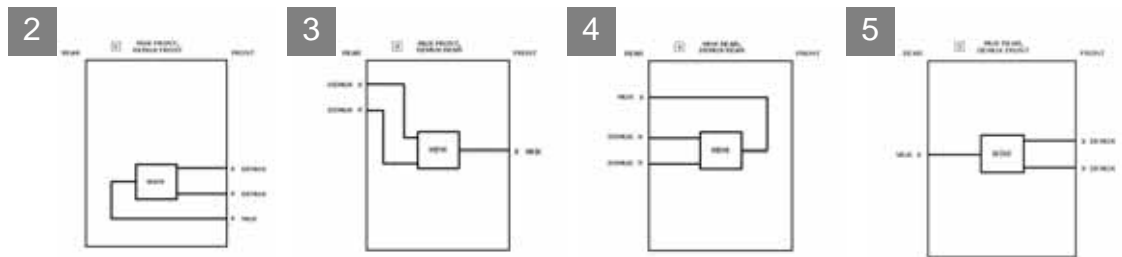


WDMW—WideVAM

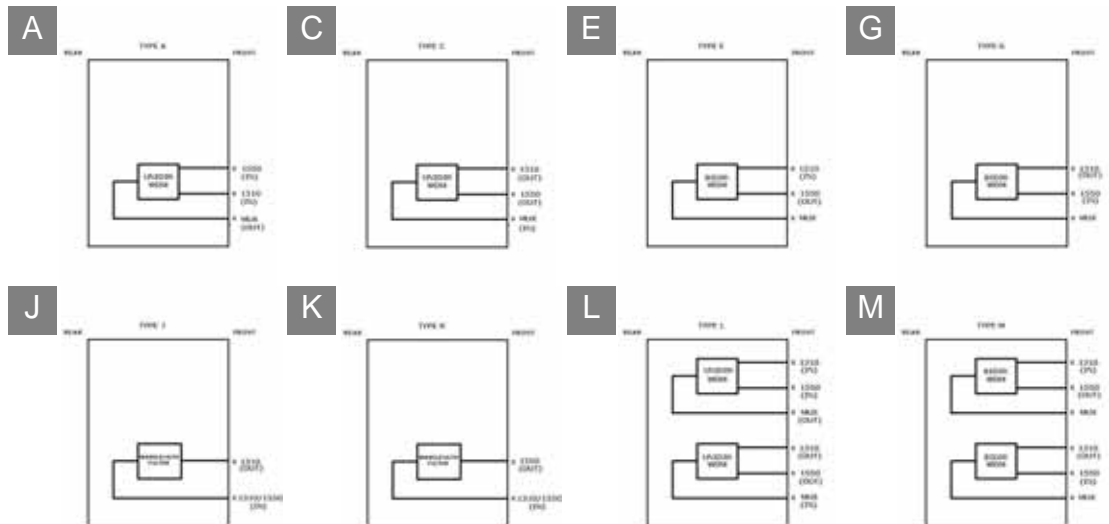
Available ports:

- 18 front
- 12 rear

WDM Configurations



WDM Types

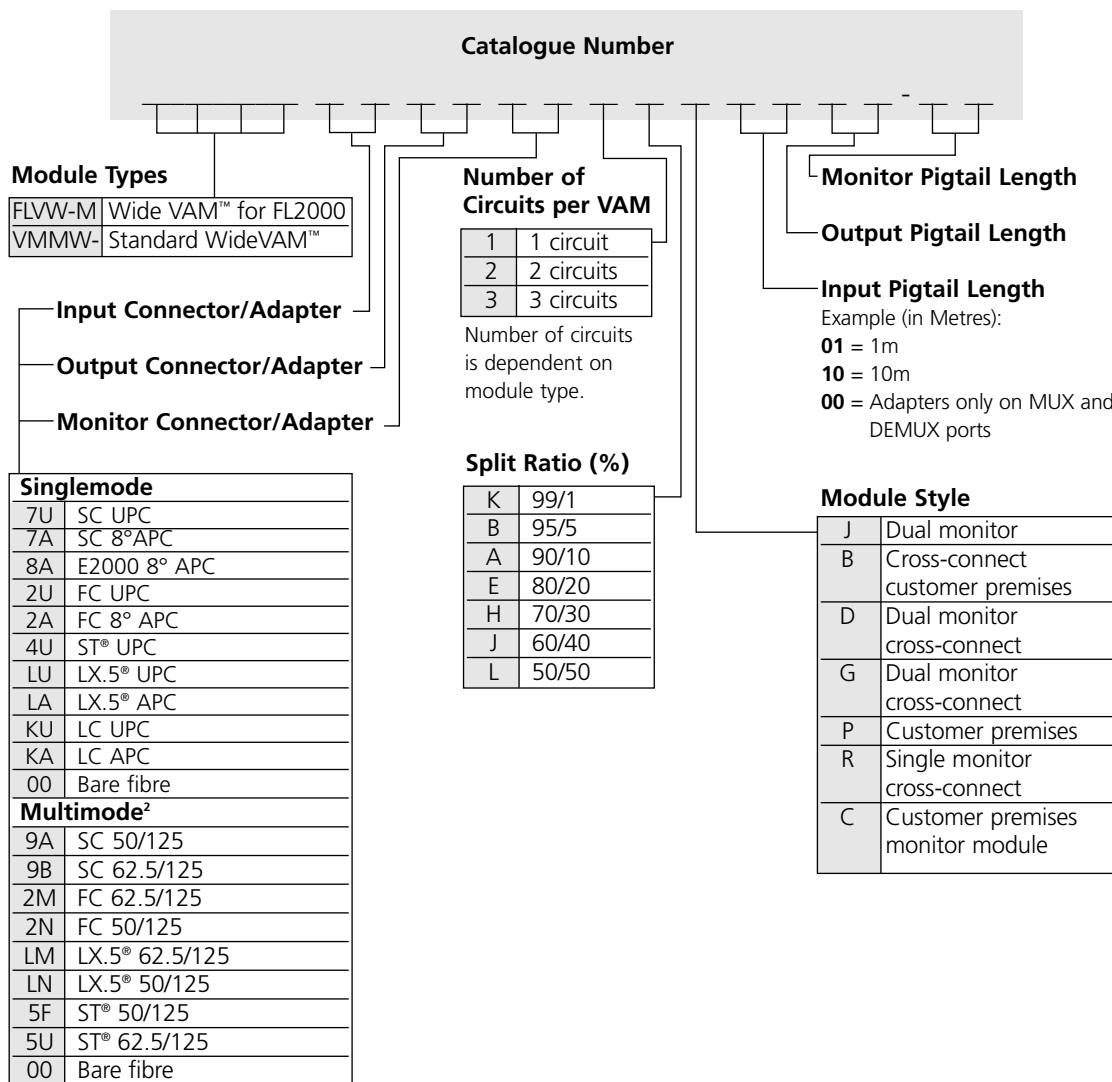


¹FL2000 VAM systems accept **only front access modules**.

Value-Added Modules

FL2000¹ and 19-Inch Systems

WideVAM™ Monitor Modules



¹FL2000 VAM systems accept **only front access modules**.

This chart shows the many options available for monitor modules. For assistance in configuring the module appropriate for your application, please contact ADC KRONE.

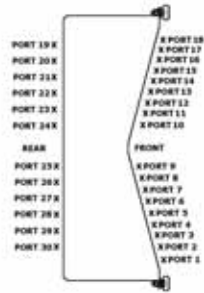
Contact ADC KRONE for specifications and additional split ratios.

²Multimode couplers designed to be used with LED sources only. If you are using a different source, please contact the ADC KRONE Technical Assistance Center for the appropriate solution.

Value-Added Modules

FL2000¹ and 19-Inch Systems

WideVAM™ Monitor Modules

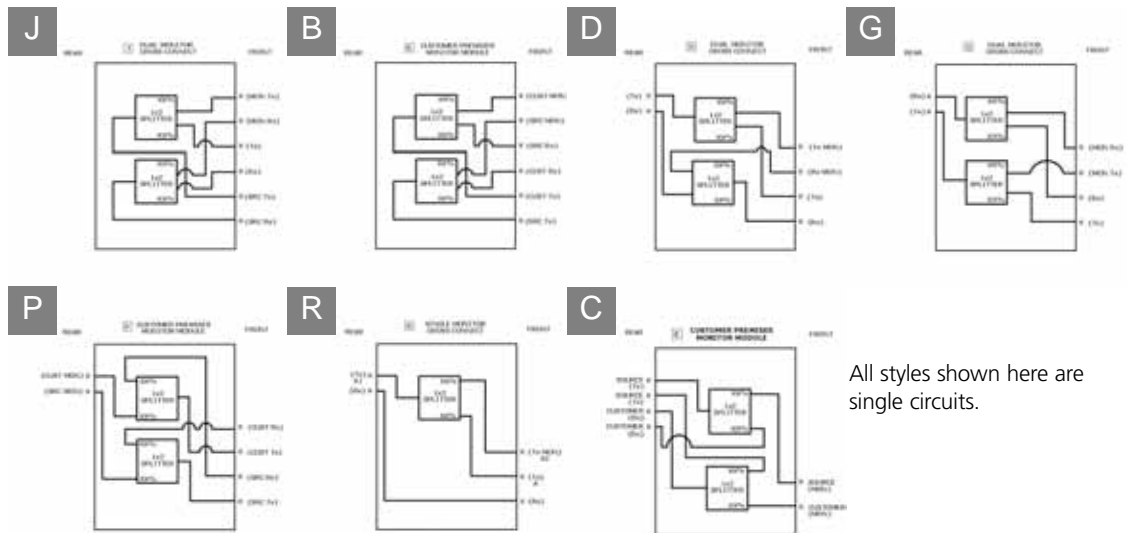


VMMW—WideVAM

Available ports:

- 18 front
- 12 rear

Module Styles



All styles shown here are single circuits.

¹FL2000 VAM systems accept **only front access modules**.

Value-Added Modules (Size 10)

Splitter Module

The splitter module (Size 10) is ready to install into 19-inch fibre trays or distribution frames to provide symmetric optical power splitting. The module's compact size allows it to be installed in place of a splice cassette. It is available with all common connector types. Designed according to TL 6060-3006 of Deutsche Telekom AG, it is also tested in accordance with EN 181 000 and Telcordia (Bellcore) GR-1209-CORE.



Value-added splitter module (Size 10)

Specifications

Configuration:	1x2 to 2x16
Fibre:	9/125/250 µm (SMF-28) Minimum length with connectors: 2.0m Minimum length without connectors: 5.0m
Wavelength Range:	1310 ± 40nm and 1550 ± 40nm
Dimensions (HxWxD):	Up to 1x8: 155mm x 92mm x 9.5mm Up to 2x16: 155mm x 92mm x 17mm
Temperature Range:	-25°C to +70°C

Optical Specifications	1x2	1x4	1x6	1x8	1x12	1x16
	2x2	2x4	2x6	2x8	2x12	2x16
Insertion loss¹						
Minimum	2.6dB	5.2dB	6.6dB	7.8dB	9.2dB	10.4dB
Maximum	3.9dB	7.5dB	9.8dB	11.2dB	13.4dB	14.8dB
Thermal stability (-25°C to +70°C)	±0.2dB	±0.4dB	±0.4dB	±0.5dB	±0.6dB	±0.7dB
Polarisation stability	≤0.3dB					
Directivity	>55dB					
Return loss¹						
With UPC connectors	>50dB					
With APC connectors	>55dB					

¹ without connectors

Wavelength Range and Cable Type

3	1310 ± 40nm and 1550 ± 40nm with buffered fibres (0.9mm)
6	1310 ± 40nm and 1550 ± 40nm with cable (3mm)

Configuration

102	1 x 2
202	2 x 2
.	
.	
.	
108	1 x 8
.	
.	
116	1 x 16

Catalogue Number

7047

Connector Type

00	Without connectors
15	SC UPC
13	SC 8° APC
14	SC 9° APC
25	FC UPC
23	FC 8° APC
45	E2000 UPC
43	E2000 8° APC

Value-Added Modules (Size 10)

Wavelength Division Multiplexer Module

The wavelength division multiplexer module performs multiplexing and demultiplexing of 1310/1550nm, 1310/1625nm or 1550/1625nm. The module is ready to install into 19-inch fibre trays or distribution frames to provide symmetric optical power splitting. The module's compact size allows it to be installed in place of a splice cassette. The module is equipped with buffered fibres (0.9mm) or cables (3mm), and available with all common connector types.

Designed according to TL 6060-3006 of Deutsche Telekom AG, it is also tested in accordance with EN 181 000 and Telcordia (Bellcore) GR-1209-CORE.



Value-added wavelength division multiplexer module (Size 10)

Features

- High level of isolation: low optical crosstalk
- Low insertion loss: extremely low losses within the fibre optic network
- High return losses: transmitters are not disturbed by reflections

Specifications

Configuration:	1x2
Fibre:	Buffered fibre 0.9mm or cable 3.0mm with 9/125/250 µm (SMF-28) Minimum length with connectors: 2.0m Minimum length without connectors: 5.0m
Dimensions (HxWxD):	155mm x 92mm x 9.5mm
Temperature Range:	-25°C to +70°C

Optical Specifications	1310/1550 ± 20nm or 1310/1625 ± 20nm			1550/1625 ± 5nm		
Wavelength ranges						
Minimum isolation	16dB	32dB	48dB	10dB	20dB	30dB
Maximum insertion loss ¹	0.7dB	1.4dB	2.1dB	0.9dB	1.8dB	2.7dB
Thermal stability	0.05	0.05	0.05	0.05	0.05	0.05
Return loss, directivity ¹	>55dB	>55dB	>55dB	>55dB	>55dB	>55dB

¹ without connectors

Ordering Information

Description	Catalogue Number*
Wavelength division multiplexer module (Size 10)	
Wavelength: 1310/1550 ± 20nm	
Isolation: 16dB	7046 4 X16-YY
32dB	7046 4 X32-YY
48dB	7046 4 X48-YY
Wavelength: 1550/1625 ± 5nm	
Isolation: 10dB	7046 6 X10-YY
20dB	7046 6 X20-YY
30dB	7046 6 X30-YY
Wavelength: 1310/1625 ± 20nm	
Isolation: 16dB	7046 8 X16-YY
32dB	7046 8 X32-YY
48dB	7046 8 X48-YY

*To specify cable type, replace X with:
8 = with buffered fibres (0.9mm)
9 = with cable (3mm)

*To specify connector type, replace YY with:
00 = no connectors
15 = SC UPC
13 = SC 8° APC
14 = SC 9° APC
25 = FC UPC
23 = FC 8° APC
45 = E2000 UPC
43 = E2000 8° APC

Monitor Module

19-Inch Monitor Module

The 19-inch monitor module is ready to install into fibre distribution frames to provide monitoring of optical transmission paths. It enables continuous monitoring of the optical signal in an active fibre and continuous or temporary recording and analysis of transmission protocols, without influencing network operations. The monitor module makes it possible for the network operator to detect and localise influences that increase attenuation in the fibre infrastructure. Preventive detection and localisation of errors enhances network reliability, helps prevent network downtimes and reduces the time needed for repair.

Features

- Mounts in 19-inch frames; adapter brackets allow installation in ETSI frames
- Versions available with 1310nm/1550nm and 1550nm/1625nm
- Available with E2000, SC and LC angle polish connectors



19-inch, 1RU monitor module

Specifications

Configuration:	12x (1x2)
Split Ratio:	90/10%
Fibre:	9/125/250 µm (SMF-28)
Wavelength Range:	1310 ± 40nm and 1550 ± 40nm
Dimensions (HxWxD):	45mm x 470mm x 240mm (1RU x 19" x 240mm)
Temperature Range:	-25°C to +70°C

Optical Specifications	
Maximum insertion loss including connectors/adapters	
For operating signal (90%)	1.2dB
For monitoring signal (10%)	12.1dB
Thermal stability (-25°C to +70°C)	±0.2dB
Polarisation stability	≤0.3dB
Directivity	>55dB
Return loss	
With UPC connectors	>50dB
With APC connectors	>55dB

Ordering Information

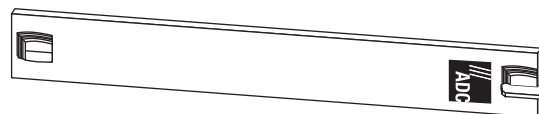
Description	Catalogue Number
12x (90/10%)* monitor module for 19-inch rack installation	
E2000 APC adapters	6977 2 200-00
SC 8° APC adapters	6977 2 200-01

*Other power splitting ratios are available. Please contact ADC KRONE for ordering information.

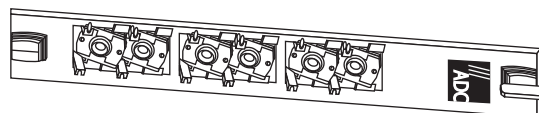
Bulkhead Plates and Blanks

Ordering Information

Description	Catalogue Number
Blank plate	VAM-BLNK
Six position bulkhead plates loaded with:	
Singlemode	
FC adapters	VAM-6PB2
FC APC adapters	VAM-A6PB2
ST® adapters	VAM-6PB4
SC adapters	VAM-6PB7
SC APC adapters	VAM-A6PB5
(3) duplex SC adapters	VAM-D6PB7
E2000 APC adapters	VAM-A6PB8
Multimode	
ST® adapters	VAM-6PB5
SC adapters	VAM-6PB9
(3) duplex SC adapters	VAM-D6PB9



VAM-BLNK



VAM-6PBX

Terminators

Terminator plugs should be ordered for each unterminated leg on ultra polish adapter ports. For configurations with pigtails an adapter is also required.

Ordering Information

Description	Catalogue Number
FC connector	FOC-TERMFC-P
ST® connector	FOC-TERMST-P
SC connector	FOC-TERMSC-P

FPL Series Fibre Panels

Introduction

Features

- FPL panels combine the unique features of vertical cable guides and angle-left/angle-right adapters, offering diverse cable routing options and a complete cable management solution
- Rear access splicing provides a high-density termination/splice solution maximising rack space.
- 144-position high-density termination/splice panel maintains all existing FPL panel capabilities—in the space of just five rack units (222mm)
- Panels are equipped with adjustable mounting brackets to provide either 19- or 23-inch rack or cabinet mounting (EIA or WECCO) as well as 4- or 5-inch (101 or 127mm) recess mounting
- Available preterminated with pigtails to simplify ordering and reduce installation time
- The patented removable angled retainers allow easy access for single fibre maintenance
- Vertical cable guides on either side of the panel provide bend radius protection and management of fibres exiting the panel
- Using LX.5® and LC small-form-factor connectors will double the capacity of each panel

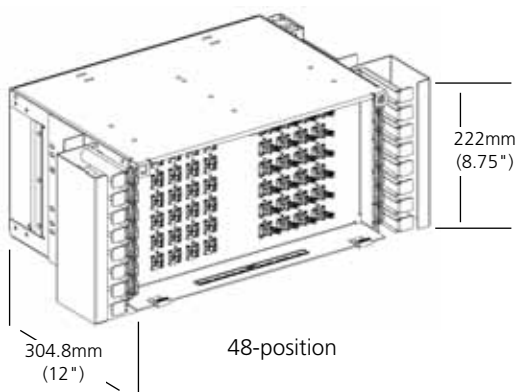
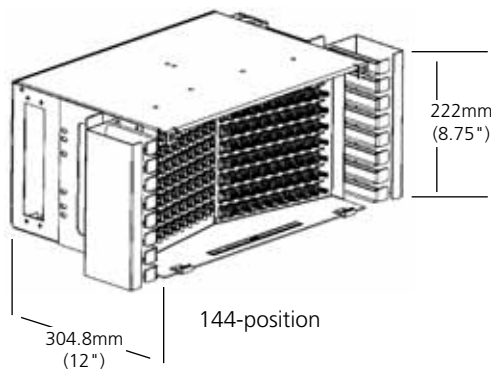
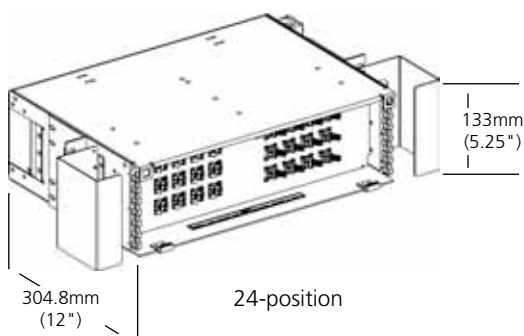
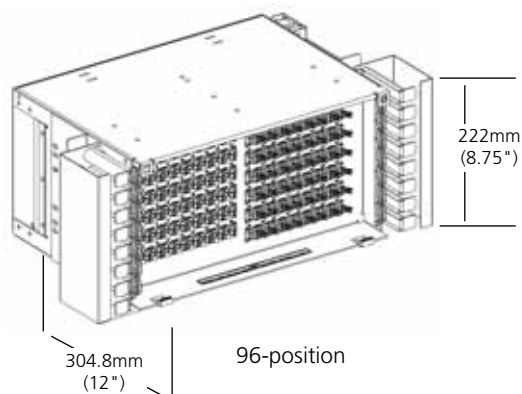
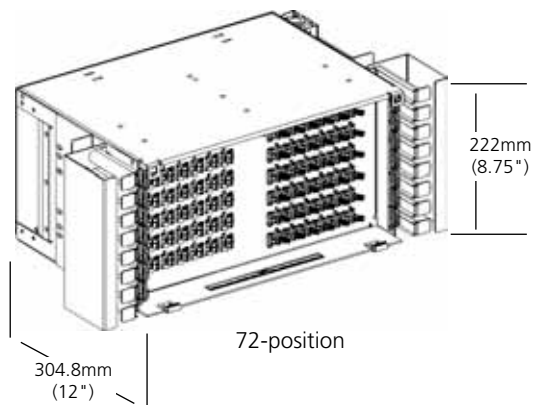


FPL Series Fibre Panels

Termination Only Panels

Features

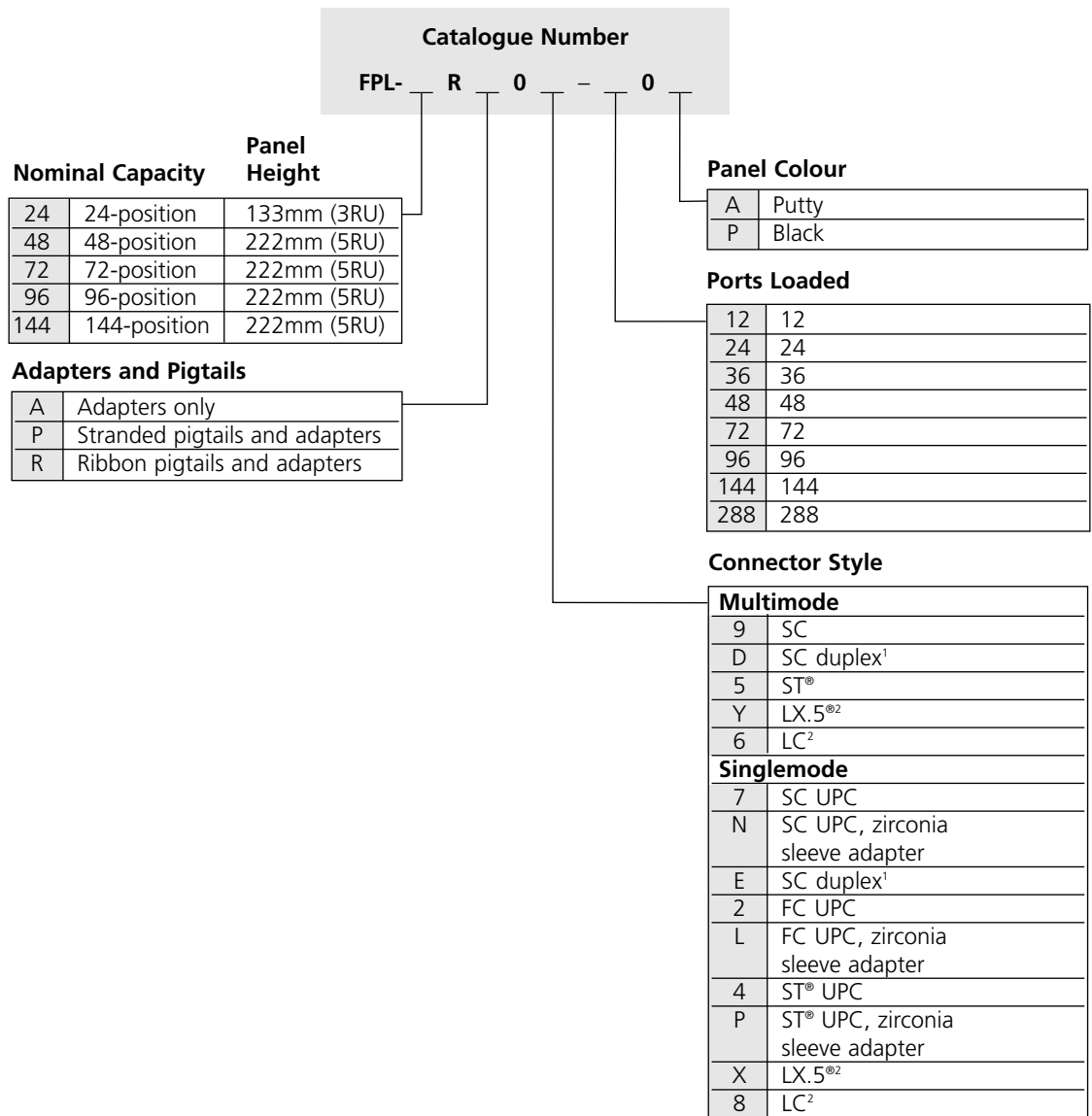
- Available in 24, 48, 72, and 96-termination densities
- Panel may be ordered with adapters only for a termination-only interconnect solution
- Panel may be ordered with 3.5m pigtails for use with splice and storage panels
- Rear panel pigtail storage
- Optional lock for both front and rear doors (available separately)
- Removable front polycarbonate door
- Designation labels included with each panel
- Mounting brackets included with panel may be flipped to accommodate 19 or 23-inch mounting and 4 or 5-inch (101mm or 127mm) recess
- Each panel includes two cable clamps



Ordering information follows on the next page.

FPL Series Fibre Panels

Termination Only Panels



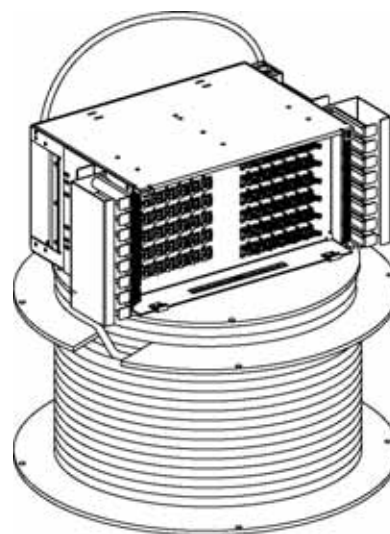
¹ SC duplex not available in 144-position panel.
² LX.5[®] and LC are not available with stranded pigtails (option P) in 96- or 144-position panels.
 Note: LX.5[®] and LC adapters double the panel's capacity. Each adapter accommodates two connectors.

FPL Series Fibre Panels

Termination Panels with Intrafacility Fibre Cable

Features

- Available in 24, 48, 72, 96 and 144-termination densities
- Available with factory-installed multifibre intrafacility fibre cable (IFC) or OSP cable
- Panels with multifibre cable attached ship as a single unit with cable clamp installed
- Equipped with customer specified adapters, connectors, cable type and cable length
- Attached multifibre cable reduces installation time and simplifies ordering process with a single part number
- Optional lock for both front and rear doors (available separately)
- Removable front polycarbonate door
- Designation labels included with each panel
- Mounting brackets included with panel may be flipped to accommodate 19 or 23-inch mounting and 4 or 5-inch (101mm or 127mm) recess



72-position with IFC

Ordering information follows on the next page.

FPL Series Fibre Panels

Termination Panels with Intrafacility Fibre Cable

Nominal Capacity

24	24-position	133mm (3RU)
48	48-position	222mm (5RU)
72	72-position	222mm (5RU)
96	96-position	222mm (5RU)
144	144-position	222mm (5RU)

Panel Type

S	Singlemode putty
M	Multimode putty
T	Singlemode black
N	Multimode black

Connector Style

0	Stub ¹
Multimode	
9	SC
D	SC duplex ²
5	ST [®]
Y	LX.5 ^{®3}
6	LC ³
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
E	SC duplex ¹
2	FC UPC
L	FC UPC, zirconia sleeve adapter
4	ST [®] UPC
P	ST [®] UPC, zirconia sleeve adapter
X	LX.5 ^{®2}
8	LC ²

Dimensions Height

Cable Length

XXX Length in metres

Cable Exit Direction

U	Up
D	Down

Cable Type

Multimode	
C	IFC stranded 62.5/125
Y	IFC stranded 50/125
B	IFC plenum stranded 50/125
Singlemode	
A	IFC stranded
F	IFC plenum stranded
G	OSP single armor stranded
H	Indoor-outdoor
J	OSP dielectric stranded
K	IFC Maxi-Strip
M	IFC ribbon
L	OSP single armor ribbon
T	OSP dielectric ribbon

Cable Size

1	12
2	24
3	36
4	48
7	72
9	96
A	144
Z	2x12
Y	2x24
X	2x36
W	2x48
U	2x72
T	4x24
N	2x96
E	3x24
F	4x12
H	2x144

Catalogue Number

FPL- /

¹ Only as second choice (follows the "/").

² SC duplex not available in 144-position panel.

³ 96- and 144-position panels using LX.5[®] or LC connector styles must use Cable Size option H (2x144).

Note: LX.5[®] and LC adapters double the panel's capacity. Each adapter accommodates two connectors.

FPL Series Fibre Panels

Termination/Splice Panels

Features

- Available in 24, 48, 72, and 96 termination densities
- Provides termination and splice of pigtails as well as associated fibre/pigtail storage
- Rear splice area saves space by reducing panel height
- ADC KRONE recommends completely splicing all OSP/IFC cables during initial installation to maintain minimal disturbance of the interior of the panel
- Splice area provides up to a total of 7 metres (23 feet) of slack storage for pigtails and OSP/IFC buffer tubes
- Optional lock for both front and rear doors (available separately)
- Removable front polycarbonate door
- Designation labels included with each panel
- Mounting brackets included with panel may be flipped to accommodate 19 or 23-inch mounting and 4 or 5 inch (101mm or 127mm) recess
- Each panel includes two cable clamps



Front view



Rear view



Top view
Top cover removed with pigtail routing shown

Panel Size	Splice Tray Type	Number of Splice Trays included for a fully loaded panel
24	Single Height	2
48	Dual Height	2
72	Dual Height	3
96	Dual Height	4

Ordering information follows on the next page.

FPL Series Fibre Panels

Termination/Splice Panels

Catalogue Number
FPL- R 0 - - - -

Nominal Capacity

24	24-position
48	48-position
72	72-position
96	96-position

Dimensions Height

133mm (3RU)
222mm (5RU)
222mm (5RU)
222mm (5RU)

Adapters/Pigtails

P	Stranded pigtails and adapters
R	Ribbon pigtails and adapters

Connector Style (Panel/Stub)

Multimode	
9	SC
D	SC duplex
5	ST®
Y	LX.5®¹
6	LC¹
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
E	SC duplex¹
2	FC UPC
L	FC UPC, zirconia sleeve adapter
4	ST® UPC
P	ST® UPC, zirconia sleeve adapter
X	LX.5®²
8	LC²

Panel Colour

0	Putty
B	Black

Splice Type

0	None or N/A
1	Bare fusion
2	Heat shrink fusion
3	Mechanical
4	Rotary
5	FibrLok®
7	Raychem Universal (RU)
8	Nortel
9	AFL

Number of Pigtailed Terminations

12	12
24	24
36	36
48	48
72	72
96	96
144	144

¹ LX.5® and LC are not available in 96-position panel.

Note: LX.5® and LC adapters double the panel's capacity. Each adapter accommodates two connectors.

FPL Series Fibre Panels

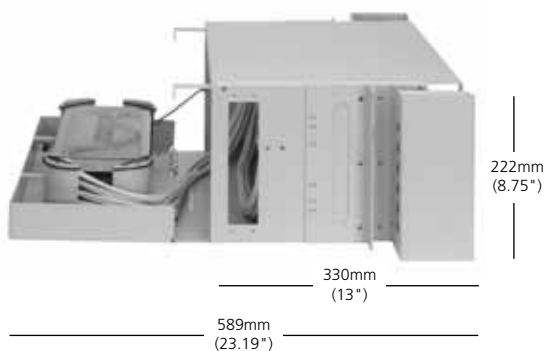
144-Position Termination/Splice Panels

Features

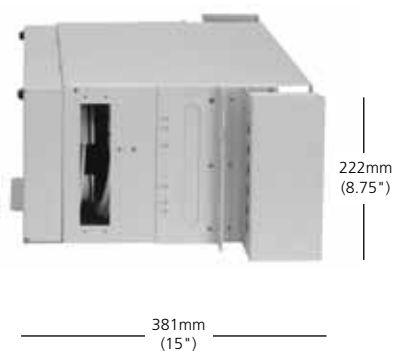
- Provides termination and splicing for up to 144 fibres (288 with LX.5® and LC) within 222mm (8.75-inch) height (5RU)
- Rear flip-down splicing area uses standard splice trays and provides slack storage of OSP/IFC buffer tubes
- Angled bulkhead ensures ease of access to individual connectors
- Panel is equipped with six dual height splice trays
- Optional lock for front door (available separately)
- Removable front polycarbonate door
- Designation labels included with each panel
- Mounting brackets included with panel may be flipped to accommodate 19 or 23-inch mounting and 4 or 5-inch (101mm or 127mm) recess
- Each panel includes four cable clamps
- Panel available with pigtails only
- Maximum of three panels to be used within one rack, for a total of 432 terminations



Top View
Top cover removed with splicing area open



Side view
splicing area open

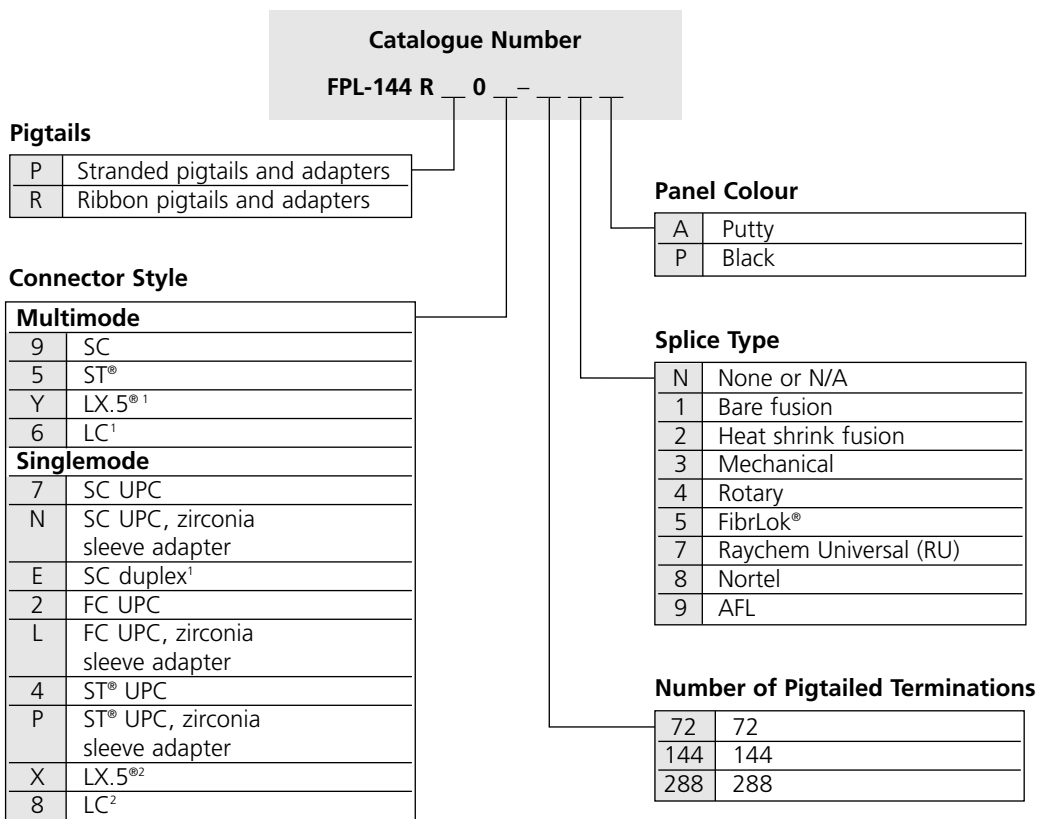


Side view
splicing area closed

Ordering information follows on the next page.

FPL Series Fibre Panels

144-Position Termination/Splice Panels



¹ LX.5[®] and LC available with ribbon pigtails only

Note: LX.5[®] and LC adapters double the panel's capacity. Each adapter accommodates two connectors.

Fibre Management Tray

Fibre Management Trays provide a flexible, economical approach to handling your network's most vital elements by offering four different designs. Termination, termination/splicing, termination/storage, and slack storage designs are offered with the modular, all-front-access design.

Features

All-Front-Access Design



Sliding radius limiters provide ultimate fibre management by addressing one of the most critical elements of fibre cable management: bend radius protection.

By controlling the movement of fibres into the tray, error-proof slack loop management is maintained, ensuring 30mm bend radius protection. This is crucial to protecting fibre, eliminating service failures and decreasing costs.



Sliding Adapter Packs

Sliding adapter packs allow easy access for connecting jumpers and cleaning connectors, ensuring that any fibre can be installed or removed without disturbing adjacent fibres. That can mean the difference between a network reconfiguration time of 20 minutes per fibre and one of over 90 minutes per fibre.



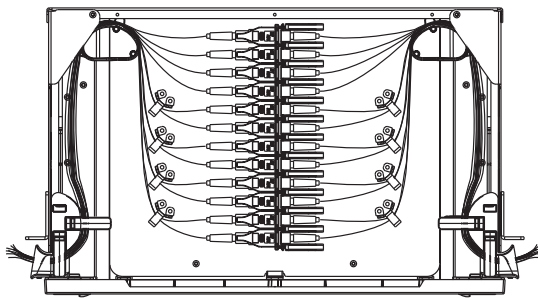
Modular Design

The modular design offers the value of a single interface for performing multiple tasks in your network. By employing a one-rack-unit, modular tray, network technicians have familiar access to terminating, splicing, and storing fibre. This cable management approach translates to time and money saved, for moves, adds and changes.

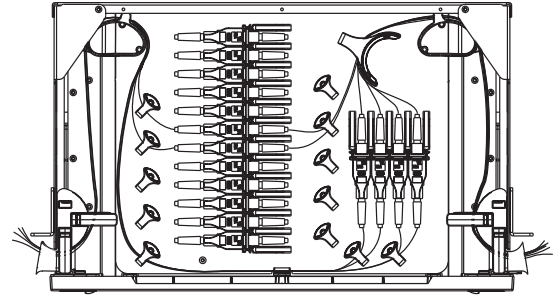
Fibre Management Tray

1 Rack Unit Termination Only

The termination-only fibre management tray provides termination for 24 or 32 fibres in an all-front-access design. This tray mounts in 19 or 23-inch racks. Sliding radius limiters provide cable management for incoming and outgoing fibres.



24-termination only



32-termination only

Catalogue Number

FMT-D 0 0 0 -

Drawer Configuration

RT	Termination only
----	------------------

Connector/Adapter Style

Multimode	
5	ST®
9	SC
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8° APC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
4	ST® UPC
P	ST® UPC, zirconia sleeve adapter
M	MTRJ feedthrough adapter

Faceplate Colour

B	Black
P	Putty

Number of Ports

24
32

Mounting Style¹

A	19"/5" recess
C	19"/2.2" recess
D	23"/5" recess
E	19"/40mm recess ²
F	ETSI / 40mm recess ²
S	23"/2.2" recess

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

Adapters Loaded

A	Adapters loaded
0	No adapters

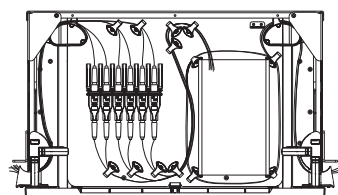
¹All 19" and 23" mounting brackets are reversible and can mount in EIA or WECCO racks.

²40mm recess FMTs are equipped with a special trumpet sliding radius limiter. Other mounting styles **cannot** be used in 40mm recess applications.

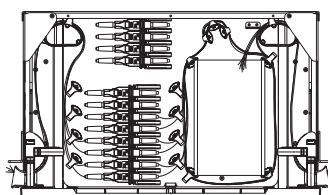
Fibre Management Tray

1 Rack Unit Termination/Splice

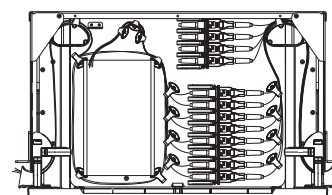
The termination and splice tray terminates and splices 12, 16, or 24 fibres in an all-front-access design. This tray mounts in 19 or 23-inch racks. Sliding radius limiters provide cable management for incoming and outgoing fibres. Panels loaded with pigtailed come with colour-coded 900 micron pigtailed.



12-termination/splice
(right splice entry)



24-termination/splice
(right splice entry)



24-termination/splice
(left splice entry)



12-termination/splice
(right splice entry)



24-termination/splice
(right splice entry)

Catalogue Number

FMT - D 0 0 -

Configuration

TL	Termination/splice with splice tray (left splice entry)
TR	Termination/splice with splice tray (right splice entry)

Connector/Adapter Style

Multimode	
5	ST®
9	SC
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8° APC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
4	ST® UPC
P	ST® UPC, zirconia sleeve adapter

Cable or Adapter Type

A	Adapters only
0	No adapters
C	Multimode pigtailed (50/125)
K	Multimode pigtailed (62.5/125)
U	Singlemode Maxi-Strip pigtailed
R	Singlemode ribbon pigtailed

Faceplate Colour

B	Black
P	Putty

Number of Ports

12
16
24

Mounting Style¹

A	19" / 5" recess
C	19" / 2.2" recess
D	23" / 5" recess
E	19" / 40mm recess ²
F	ETSI / 40mm recess ²
S	23" / 2.2" recess

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

Chip Style (mini splice tray)

0	N/A
2	Heat shrink
3	Mechanical
A	Crimp (sandwich)

¹ All 19" and 23" mounting brackets are reversible and can mount in EIA and WECC racks.

² 40mm recess FMTs are equipped with a special trumpet sliding radius limiter. Other mounting styles **cannot** be used in 40mm recess applications.

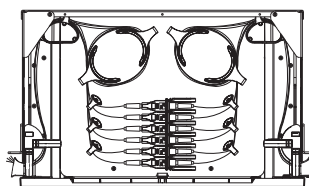
Fibre Management Tray

1 Rack Unit Termination/Storage

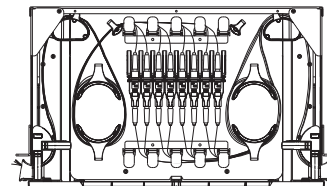
The termination and storage tray terminates and stores 12, 16, or 24 fibres in an all-front-access design. This tray mounts in 19 or 23-inch racks, while sliding radius limiters provide cable management for incoming and outgoing fibres.



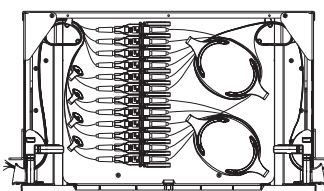
12-termination/storage
(universal storage)



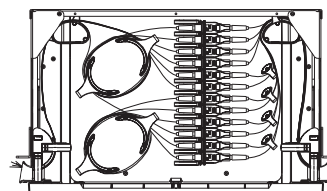
12-termination/storage
(universal storage)



16-termination/storage
(universal storage)



24-termination/storage
(right storage)



24-termination/storage
(left storage)

Catalogue Number

FMT-D 0 0 0 -

Configuration

SL	Termination/storage (left storage)
SR	Termination/storage (right storage)
ST	Termination/storage (universal storage)

Connector/Adapter Style

Multimode	
5	ST®
9	SC
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8° APC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
4	ST® UPC
P	ST® UPC, zirconia sleeve adapter
M	MTRJ feedthrough adapter

Faceplate Colour

B	Black
P	Putty

Number of Ports

12	Available with ST configuration only
16	Available with ST configuration only
24	Available with SR and SL configurations only

Mounting Style¹

A	19"/5" recess
C	19"/2.2" recess
D	23"/5" recess
E	19"/40mm recess ²
F	ETSI / 40mm recess ²
S	23"/2.2" recess

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

Adapters Loaded

A	Adapters loaded
0	No adapters

¹ All 19" and 23" mounting brackets are reversible and can mount in EIA and WECO racks.

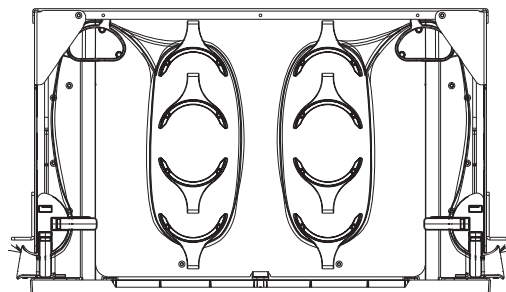
² 40mm recess FMTs are equipped with a special trumpet sliding radius limiter. Other mounting styles **cannot** be used in 40mm recess applications.

Fibre Management Tray

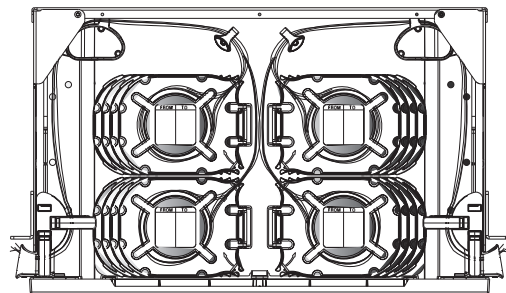
1 Rack Unit Slack Storage

The slack storage tray offer bulk storage for up to 60 fibres, and discrete slack storage for up to 16 fibres. This all-front-access tray mounts in 19 or 23-inch racks. Sliding radius limiters provide cable management for incoming and outgoing fibres.

Bulk Storage Drawer



Discrete Storage Drawer



Slack storage type	Capacity		
	3mm cable	2mm cable	1.7mm cable
Bulk	32 cables, 2.5m each	48 cables, 2.5m each	60 cables, 4m each
Discrete	16 cables, 1.7m each	16 cables, 2m each	16 cables, 2.5m each

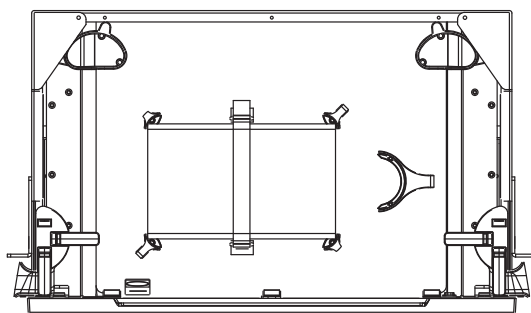
Catalogue Number			
FMT - D 0 0 0 00 - 00			
Drawer Configuration		Faceplate Colour	
BS	Bulk storage	B	Black
DS	Discrete storage	P	Putty
Lock Type		Mounting Style¹	
0	No lock	A	19" / 5" recess
1	Lock, key type 1	C	19" / 2.2" recess
2	Lock, key type 2	D	23" / 5" recess
		E	19" / 40mm recess ²
		F	ETSI / 40mm recess ²
		S	23" / 2.2" recess

¹ All 19" and 23" mounting brackets are reversible and can mount in EIA and WECO racks.

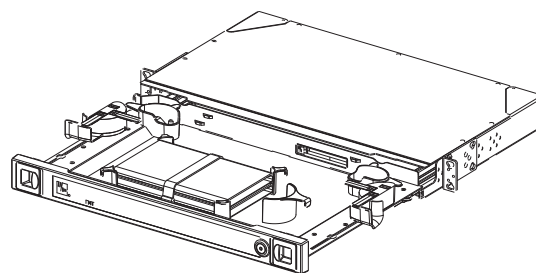
² 40mm recess FMTs are equipped with a special trumpet sliding radius limiter. Other mounting styles **cannot** be used in 40mm recess applications.

Fibre Management Tray

1 Rack Unit Splicing Only



Splicing only



Splicing only

Catalogue Number

FMT - DAS0000

Splice Type

0	None
2	Heat shrink
3	Mechanical
A	Crimp (sandwich)

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

Faceplate Colour

B	Black
P	Putty

Number of Splices/Capacity

12	1 tray
24	2 trays

Mounting Style¹

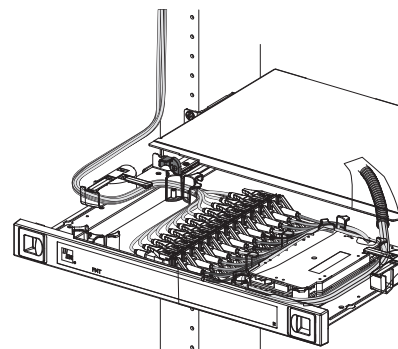
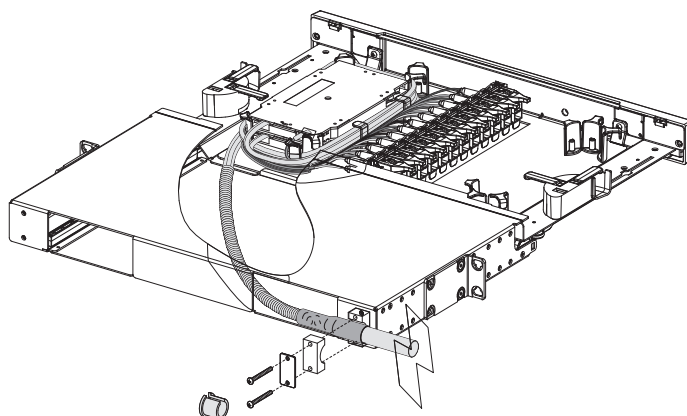
A	19" / 5" recess
C	19" / 2.2" recess
D	23" / 5" recess
E	19" / 40mm recess ²
F	ETSI / 40mm recess ²
S	23" / 2.2" recess

¹ All 19" and 23" mounting brackets are reversible and can mount in EIA and WECO racks.

² 40mm recess FMTs are equipped with a special trumpet sliding radius limiter. Other mounting styles **cannot** be used in 40mm recess applications.

Fibre Management Tray

1 Rack Unit Termination/Splice, Universal Cable Entry



The termination/splice tray with universal cable entry terminates and splices 12 or 24 fibres. The tray ships with a drop-in plate, configured for rear left cable entry; the drop-in plate can be reversed in the field to allow for cable entry on the rear right side. The tray mounts in 19 or 23-inch racks. Sliding radius limiters provide cable management for incoming and outgoing fibres. Panels loaded with pigtails come with colour-coded 900 micron pigtails.

Catalogue Number

FMT-J 0 - - - - -

Configuration

TU	Termination/splice with splice tray, universal entry
----	--

Connector/Adapter Style

0	No Adapters/Pigtails
Multimode	
9	SC
A	FC
5	ST®
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC APC
K	E2000 APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC APC
4	ST® UPC

¹ All 19" and 23" mounting brackets are reversible and can mount in EIA and WECC racks.

² 40mm recess FMTs are equipped with a special trumpet sliding radius limiter. Other mounting styles **cannot** be used in 40mm recess applications.

Faceplate Colour

P	Putty
B	Black

Number of Ports

12	
24	

Mounting Style¹

A	19" / 5" recess
F	ETSI / 40mm recess ²

Lock Type

0	No lock
1	Lock, key type #1
2	Lock, key type #2

Chip Style (mini splice cassette) /Breakout Style

0	N/A
2	Heat shrink
A	Crimp (sandwich)

Adapter/Pigtail Type

A	Adapters only
K	Multimode pigtails (62.5/125)
C	Multimode pigtails (50/125)
U	Singlemode Maxi-Strip pigtails
R	Singlemode ribbon pigtails

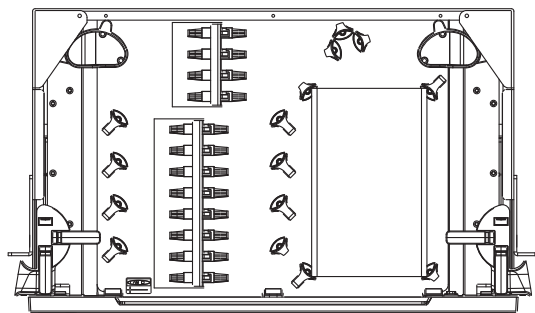
Cable Clamp

0	None
1	1 cable clamp

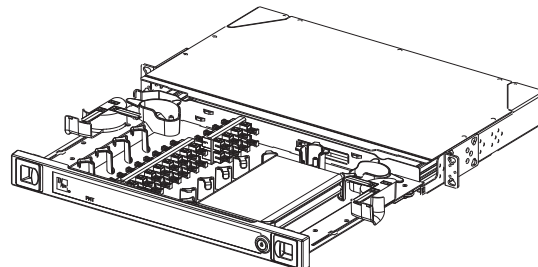
Fibre Management Tray

1 Rack Unit Termination/Splice Fixed Bulkhead

This configuration features fixed bulkhead style adapter plates and accommodates singlemode SC (UPC and APC), LC and LX.5®, as well as multimode SC, LC, and LX.5 adapters. The tray can be ordered with adapters only, or with pigtails.



Termination/splice fixed bulkhead
(right splice entry)



Termination/splice fixed bulkhead
(right splice entry)

Catalogue Number	
FMT-D	0 0 -

Configuration

TW	Termination/splice with bulkhead plate (right splice entry)
TX	Termination/splice with bulkhead plate (left splice entry)

Connector/Adapter Style

Multimode	
9	SC
Y	LX.5®
6	LC
Singlemode	
7	SC UPC
J	SC 8° APC
K	E2000 8° APC
X	LX.5®
8	LC

Adapters Loaded¹

A	Adapters only
0	No adapters

OR

Pigtail Type²

U	Singlemode Maxi-Strip pigtails
K	Multimode pigtails (62.5/125)
C	Multimode pigtails (50/125)

Faceplate Colour

B	Black
P	Putty

Number of Ports with Adapters¹

01...24	Adapters only
---------	---------------

OR

Number of Pigtails²

08	8 pigtails
12	12 pigtails
16	16 pigtails
24	24 pigtails

Mounting Style³

A	19" / 5" recess
C	19" / 2.2" recess
D	23" / 5" recess
E	19" / 40mm recess ⁴
F	ETSI / 40mm recess ⁴
S	23" / 2.2" recess

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

Splice Type

0	None
2	Heat Shrink
3	Mechanical
A	Crimp (sandwich)

¹ When ordering FMTs with adapters only, enter number of adapters (00 to 24).

² FMTs can be ordered with 8, 12, 16 and 24 pigtails **only**.

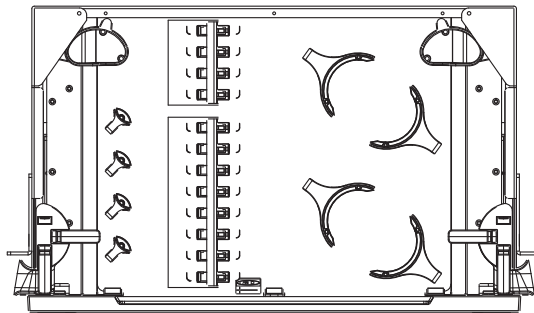
³ All 19" and 23" mounting brackets are reversible and can mount in EIA and WECA racks.

⁴ 40mm recess FMTs are equipped with a special trumpet sliding radius limiter. Other mounting styles **cannot** be used in 40mm recess applications.

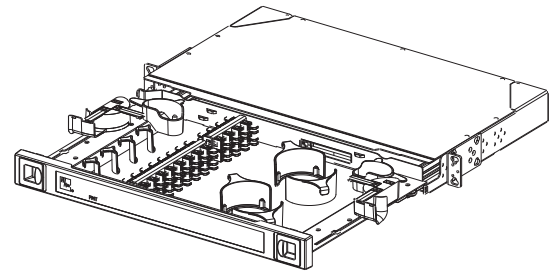
Fibre Management Tray

1 Rack Unit Termination/Storage Fixed Bulkhead

This configuration features fixed bulkhead style adapter plates and accommodates singlemode SC (UPC and APC), LC and LX.5®, as well as multimode SC, LC, and LX.5 adapters. When ordered with 24 LC or LX.5® adapters, this FMT supports 48 fibres.



Termination/storage fixed bulkhead
(right storage)



Termination/storage fixed bulkhead
(right storage)

Catalogue Number
FMT-D 0 0 0 -

Configuration

SG	Termination/storage with bulkhead plate (right storage entry)
SF	Termination/storage with bulkhead plate (left storage entry)

Connector/Adapter Style

Multimode	
9	SC
Y	LX.5®
6	LC
Singlemode	
7	SC UPC
J	SC 8° APC
K	E2000 8° APC
X	LX.5®
8	LC

Adapters Loaded

A	Adapters only
0	No adapters

Faceplate Colour

B	Black
P	Putty

Number of Ports with Adapters
01...24

Mounting Style¹

A	19" / 5" recess
C	19" / 2.2" recess
D	23" / 5" recess
E	19" / 40mm recess ²
F	ETSI / 40mm recess ²
S	23" / 2.2" recess

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

¹ All 19" and 23" mounting brackets are reversible and can mount in EIA and WECC racks.

² 40mm recess FMTs are equipped with a special trumpet sliding radius limiter. Other mounting styles **cannot** be used in 40mm recess applications.

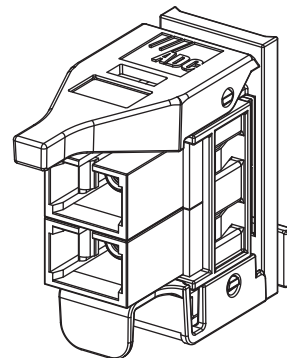
Fibre Management Tray

Accessories

Sliding Adapter Packs—1 Rack Unit

Ordering Information

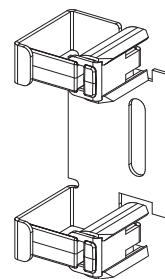
Description	Catalogue Number
Multimode	
ST®	FMT-2SAP05
SC	FMT-2SAP09
Singlemode	
SC UPC	FMT-2SAP07
SC UPC, zirconia sleeve adapter	FMT-2SAP0N
SC 8° APC	FMT-2SAP0J
E2000 8° APC	FMT-2SAP0K
FC UPC	FMT-2SAP02
FC UPC, zirconia sleeve adapter	FMT-2SAP0L
FC 8° APC	FMT-2SAP0F
ST® UPC	FMT-2SAP04
ST® UPC, zirconia sleeve adapter	FMT-2SAP0P



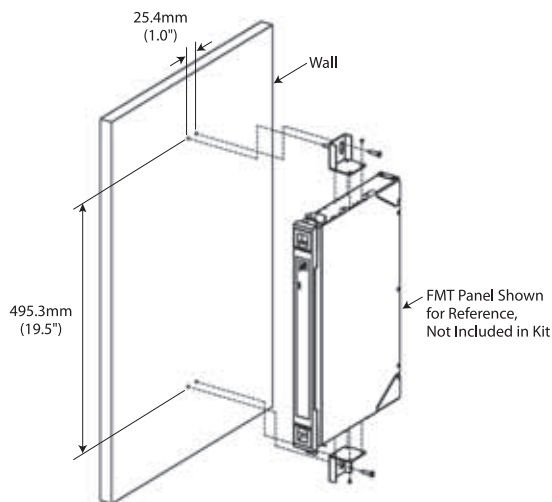
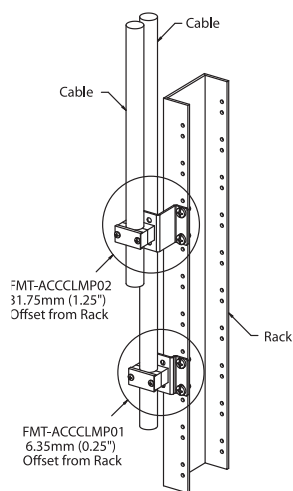
Accessories—1 Rack Unit

Ordering Information

Description	Catalogue Number
Wall mount kit	FMT-ACCWLMT01
Cable clamp kits	
6.35mm (0.25") offset from frame	FMT-ACCCLMP01
31.75mm (1.25") offset from frame	FMT-ACCCLMP02
Vertical cable guides	
Black	FMT-ACCVCG01B
Putty	FMT-ACCVCG01P



Vertical cable guide



Fibre Management Tray

1 Rack Unit Specifications

PHYSICAL

Approximate Weight:

3.7 to 4.5kg (8 to 10lbs)

Configuration Options and Capacity:

Termination only (24 or 32 fibres)

Termination/storage (12, 16, or 24 terminations)

Bulk Storage

3mm outer diameter cable: 32 cables, length 2.5m each

2mm outer diameter cable: 48 cables, length 2.5m each

1.7mm outer diameter cable: 60 cables, length 4m each

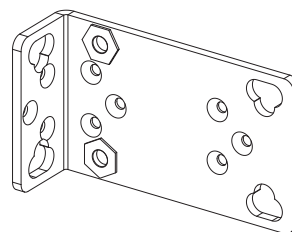
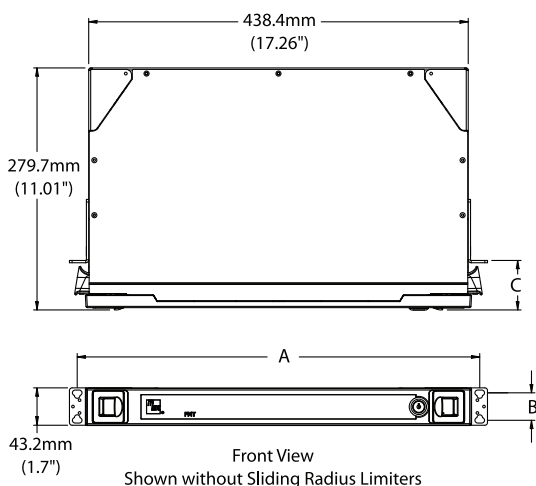
Discrete storage

3mm outer diameter cable: 16 cables, length 1.7m each

2mm outer diameter cable: 16 cables, length 2m each

1.7mm outer diameter cable: 16 cables, length 2.5m each

Termination/splicing (12, 16, or 24 splices)



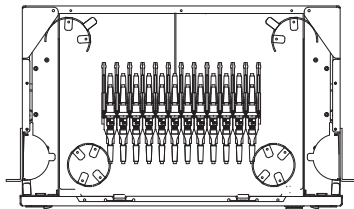
Universal mounting bracket,
EIA or WECO rack mount

Ordering Code	Configuration	A	B	C
C	19" EIA (2.2" recess)	465mm (18.32")	32mm (1.25")	57mm (2.25")
E	19" EIA (40mm recess)	465mm (18.32")	32mm (1.25")	39mm (1.54")
A	19" EIA (5" recess)	465mm (18.32")	32mm (1.25")	127mm (5.0")
S	23" WECO (2.2" recess)	567mm (22.33")	25mm (1.0")	57mm (2.25")
D	23" WECO (5" recess)	567mm (22.33")	25mm (1.0")	127mm (5.0")

Fibre Management Tray

2 Rack Unit Termination with Adapters Only

The termination-only fibre management tray provides termination for 72 fibres in an all-front-access design. This tray mounts in 19 or 23-inch racks. Sliding radius limiters provide cable management for incoming and outgoing fibres.



72-termination with adapters only



Sliding adapter pack shown in access position

Catalogue Number

FMT-GRT0 0 0 - A72

Connector/Adapter Style

Multimode	
9	SC
Y	LX.5®
6	LC
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8° APC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
X	LX.5® 8° APC
8	LC UPC

Faceplate Colour

B	Black
P	Putty

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

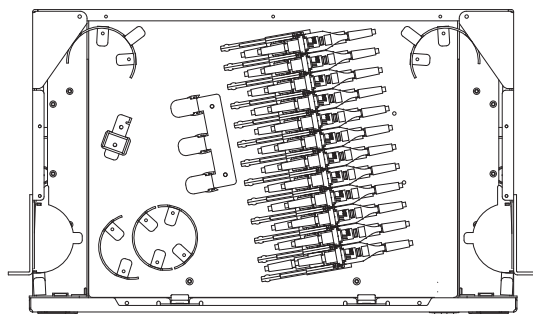
Adapters Loaded

A	Adapters loaded
0	No adapters

Fibre Management Tray

2 Rack Unit Termination with IFC or Multifibre Cable

The termination-only fibre management tray provides termination for 72 fibres and can be ordered preterminated with intrafacility (IFC) or multifibre cable. This tray mounts in 19 or 23-inch racks. Sliding radius limiters provide cable management for incoming and outgoing fibres.



72-termination with IFC or multifibre cable

7 / 0 6 • 6 3 5 6 _ a u • Fibre Connectivity Solutions

Fibre Panel Solutions

Catalogue Number

FMT-GN7

- A 7 2

Cable Type

Multimode

C	IFC stranded (62.5/125)
Y	IFC stranded (50/125)

Singlemode

A	IFC stranded
M	IFC ribbon
H	Indoor/outdoor

Faceplate Colour

B	Black
P	Putty

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

Connector/Adapter Style

Multimode

9	SC
Y	LX.5°
6	LC

Singlemode

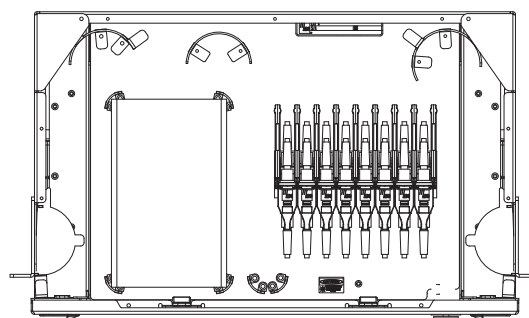
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8° APC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
X	LX.5° 8° APC
8	LC UPC

Length

Fibre Management Tray

2 Rack Unit Termination/Splice

The termination and splice tray terminates and splices 48 fibres in an all-front-access design. This tray mounts in 19 or 23-inch racks. Sliding radius limiters provide cable management for incoming and outgoing fibres. Panels loaded with pigtails come with colour-coded 900 micron pigtails.



48-termination/splice

Catalogue Number

FMT-GTL 0 0 - A48

Connector/Adapter Style

Multimode	
9	SC
Y	LX.5®
6	LC
Singlemode	
7	SC UPC
N	SC UPC, zirconia sleeve adapter
J	SC 8° APC
K	E2000 8° APC
2	FC UPC
L	FC UPC, zirconia sleeve adapter
F	FC 8° APC
X	LX.5® 8° APC
8	LC UPC

Cable or Adapter Type

A	Adapters only
0	No adapters
C	Multimode pigtails (50/125)
K	Multimode pigtails (62.5/125)
U	Singlemode Maxi-Strip pigtails

Faceplate Colour

B	Black
P	Putty

Lock Type

0	No lock
1	Lock, key type 1
2	Lock, key type 2

Chip Style (mini splice tray)

0	None
2	Heat shrink
3	Mechanical
A	Crimp (sandwich)

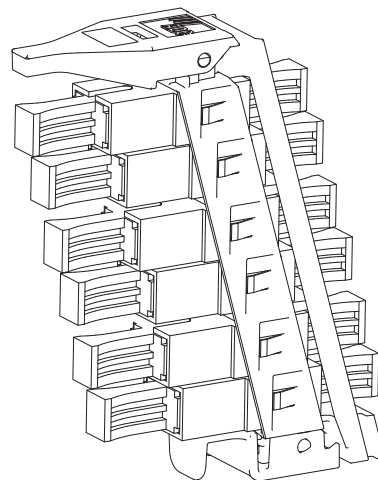
Fibre Management Tray

2 Rack Unit—Accessories

Sliding Adapter Packs

Ordering Information

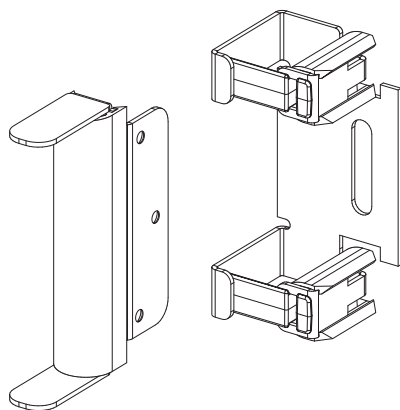
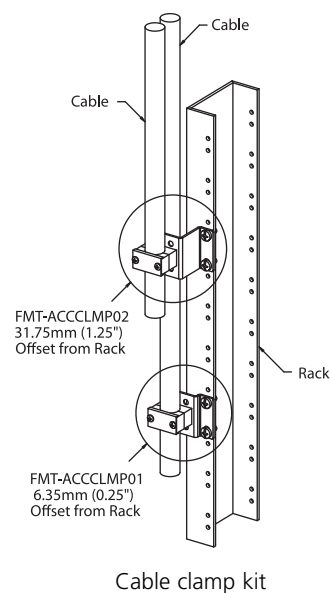
Description	Catalogue Number
Multimode	
SC	FMT-6SAP09
LC	FMT-6SAP06
LX.5®	FMT-6SAP0Y
Singlemode	
SC UPC	FMT-6SAP07
SC UPC, zirconia sleeve adapter	FMT-6SAP0N
SC 8° APC	FMT-6SAP0J
E2000 8° APC	FMT-6SAP0K
FC UPC	FMT-6SAP02
FC UPC, zirconia sleeve adapter	FMT-6SAP0L
FC 8° APC	FMT-6SAP0F
LX.5®	FMT-6SAP0X
LC UPC	FMT-6SAP08



Accessories

Ordering Information

Description	Catalogue Number
Cable clamp kits	
6.35mm (0.25") offset from frame	FMT-ACCCLMP01
31.75mm (1.25") offset from frame	FMT-ACCCLMP02
Vertical cable guides	
Black	FMT-ACC21B
Putty	FMT-ACC21P

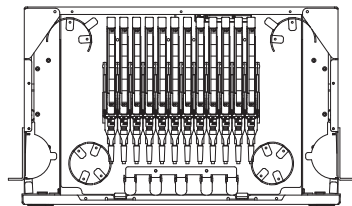


Vertical cable guide

Fibre Management Tray

2 Rack Unit Micro Value-Added Module System

The 2RU FMT Value-Added Module (VAM) chassis houses up to twelve MicroVAMs. These MicroVAMs are used for testing and monitoring optical signals; technicians can access both directions of the signal without disrupting service.



FMT-G series with microVAM



MicroVAM shown in access position

Ordering Information

Description	Catalogue Number
2RU Fibre Management Tray (FMT-G Series) accommodates up to 12 MicroVAMs for monitoring optical signals	FMT-GVM00000-A72P

Ordering information for MicroVAMs follows on the next page.

Fibre Management Tray

2 Rack Unit Micro Value-Added Module System Monitor Module



Catalogue Number

FMT-M 1 0 0 0

Input Connector/Adapter Singlemode

7A	SC APC
7U	SC 8° UPC
2U	FC UPC
2A	FC 8° APC
LA	LX.5° APC
KU	LC UPC
KA	LC APC

Multimode or

9A	SC (50µ/125)
9B	SC (62.5µ/125)
LM	LX.5°
PM	LC

Output Connector/Adapter Singlemode

7A	SC APC
7U	SC 8° UPC
2U	FC UPC
2A	FC 8° APC
LA	LX.5° APC
KU	LC UPC
KA	LC APC

Multimode or

9A	SC (50/125)
9B	SC (62.5/125)
LM	LX.5°
PM	LC

Module Style

B	Cross-connect customer premises
J	Dual monitor
S	Splitter module

Split Ratio

A	90/10
B	95/05
C	50/50
H	70/30
J	60/40
K	99/01
L	98/02

Monitor Connector Type Singlemode

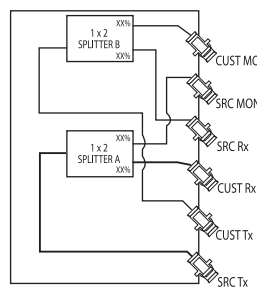
7A	SC APC
7U	SC 8° UPC
2U	FC UPC
2A	FC 8° APC
LA	LX.5° APC
KU	LC UPC
KA	LC APC

Multimode or

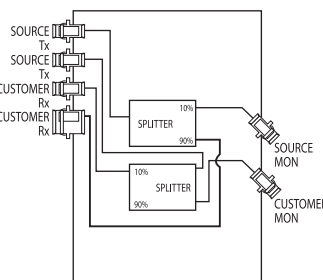
9A	SC (50/125)
9B	SC (62.5/125)
LM	LX.5°
PM	LC

Contact ADC KRONE for specifications and available split ratios.

B Cross-Connect Customer Premises Monitor Module



C Customer Premises Monitor Module



D Dual Monitor Cross-Connect

