alfafonet®

Complete Connectivity Solutions

Central Office Solution
More information on http://www.alfafonet.com

alfafonet®

Alfafonet is a manufacturer of fiber optic connectivity products used in data communications and telecommunication networks. It was established in 2011 by a team that leads the sector with its experience of 20 years in order to develop and market innovative, ergonomic, economic and functional products. Alfafonet has used it's expertise to build a comprehensi ve range of high quality network communications products which includes patch cords, pigtails (multimode and singlemode), patch panels, wall-mount and splice boxes (unloaded and customised), ODF cabinets and accessories, Telecom field cabinets (unloaded and fully integrated) and a full range of accessories. It offers a broad range of products directly and through distributors, installers and OEM partners.

Customer Service

Alfafonet's growth has been founded on quality products, rapid response and excellent Customer Service.

Quality

All products are manufactured in ISO 9001:2008 certified facilities and conform to applicable international standards. Alfafonet is dedicated to value and continuous improvement of all its products and services.

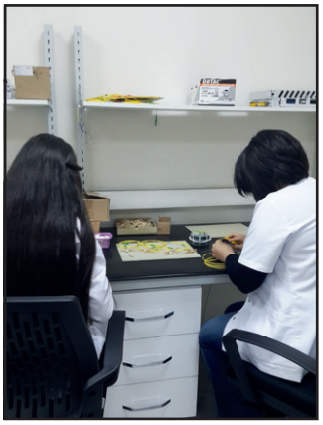
ISO 9001:2008
ISO 14001:2004

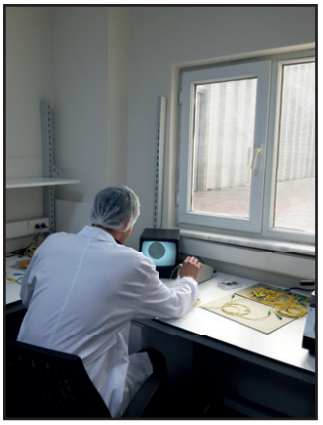
Environmental Management System

Alfafonet operates an environmental management system which complies with requirements of ISO 14001:2004

Global Logistics

With headquarters in Istanbul (TR), Alfafonet has manufacturing activities in Eskişehir (TR). The Company has both volume and quick response manufacturing capabilities and is able to support the global logistics requirements of its customers. Alfafonet provides customised and customer branded products for OEM customers.

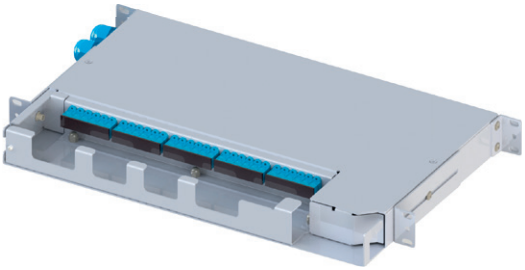




Design&Special Production Capability

Our Service

Alfafonet engineers design integrated solutions that add bespoke connectivity, power supply, monitoring, temperature control,cable distribution units and passive components to our basic products. Rectifiers, batteries, electric counter, Dslam/MDU Switches, LAN Switches or splitters, wave division multiplexers and variable attenuators can be pre-installed in cabinets or patch panels and other fibre management products ready for use in your network.



Manufacturing Process

✓CAD Design
✓CNC Machine Punching
✓CNC Machine Bending
✓Laser Cutting
✓Fully Automatic Powder Coating

Life Cycle

As Alfafonet control the manufacturing, we can control the quality of your solution from design through to the finished product.

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Complete Connectivity Solutions Catalogue

Contents

		Page
1	Optical Fiber Assemblies	6
2	Optical Fiber Components	21
3	Termination Panels	33
4	Wall Boxes	73
5	Splice Closures	83
6	Dome Closures	89
7	Termination Boxes	99
8	FTTH Series Outlets & Boxes	112
9	Telecom Cabinets	117
10	ODF Cabinets & Customer Solutions	130

Optical Fiber Assemblies

Patch Cords, Pigtails & Breakout Cable Assemblies

9/125(OS1-OS2) Simplex & Duplex Patch Cords 7

62.5/125(OM1) Simplex & Duplex Patch Cords 8

50/125(OM2) Simplex & Duplex Patch Cords 9

50/125(OM3) Simplex & Duplex Patch Cords 10

50/125(OM4) Simplex & Duplex Patch Cords 11

Patch Cords Part Number Generator 12

9/125(OS1-OS2) Pigtails 13

62.5/125(OM1) Pigtails 14

50/125(OM2) Pigtails 15

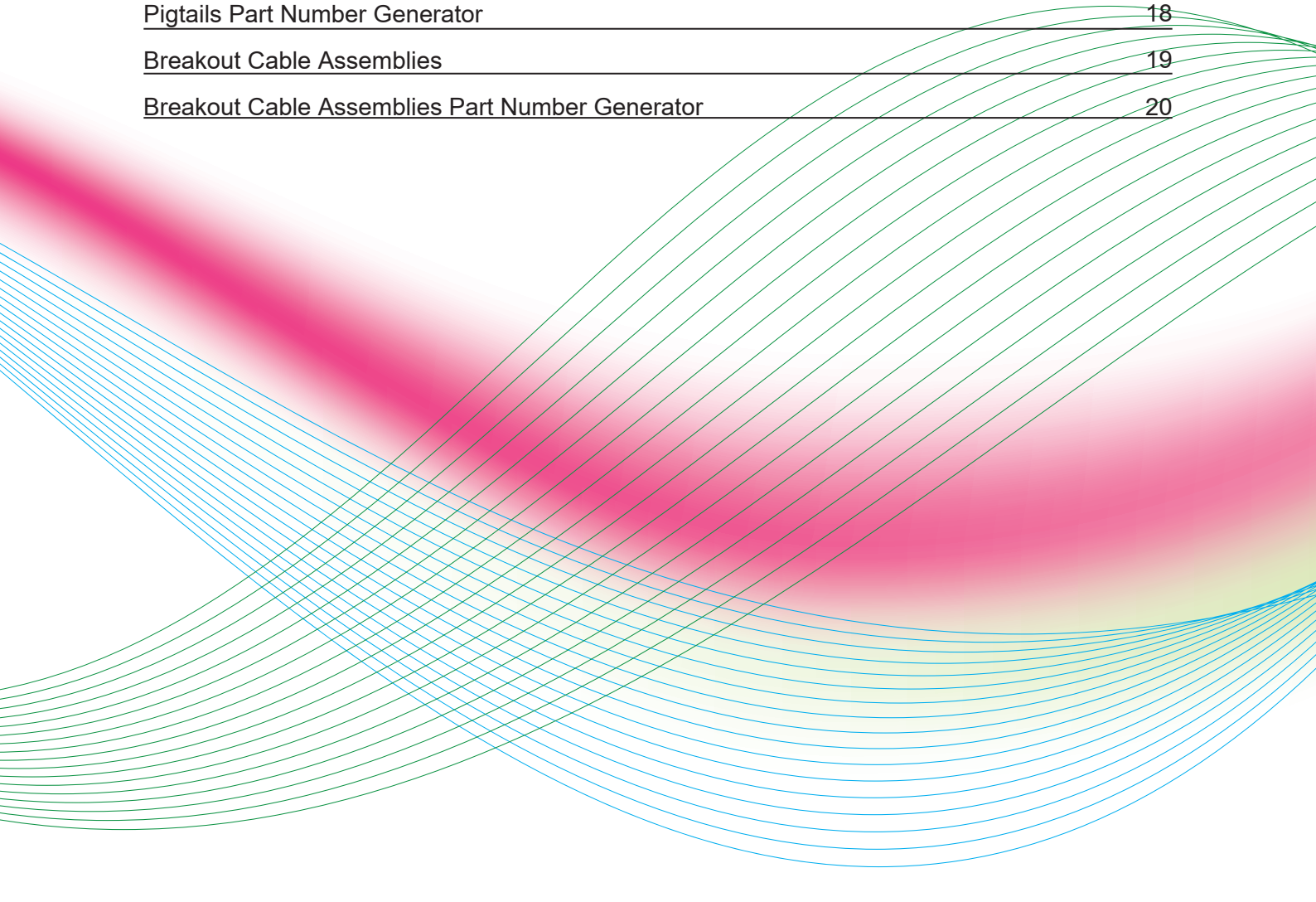
50/125(OM3) Pigtails 16

50/125(OM4) Pigtails 17

Pigtails Part Number Generator 18

Breakout Cable Assemblies 19

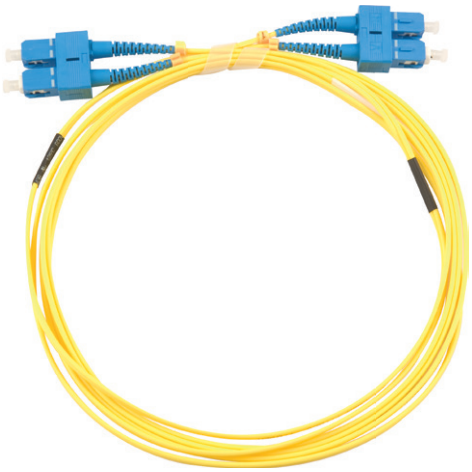
Breakout Cable Assemblies Part Number Generator 20



Patch Cords

For Data Environments

Singlemode Patch Cords are used for telcom network and also used for high speed metropolitan and access network. Our Singlemode Patch Cords are manufactured using LSZH and PVC cables which conform to IEC, EIA TIA and Telcordia standarts. OS1 /OS2 Patch Cords are terminated with our standart connector which gives optimum optical performance.



9/125 (OS1-OS2)

Features

✓SC, LC, ST, FC, MU and E2000 connectors
✓ LSZH or PVC yellow colour cable
✓ 900µm tight buffer
✓ OS1/OS2 fibre conforms to ITU-652.D, TIA/EIA 492 CAAA
✓ Simplex and duplex assemblies
✓ Duplex assemblies available with clips (SC and LC)
✓ Different connector performance range for specific application

Applications

✓ CATV / VIDEO
✓ Passive Optical Network PON
✓ WDM / DWDM
✓ FTTH
✓ Data centers - Support high speed multi channel video, data and voice services in metropolitan and access networks
✓ ATM, SONET and WDM

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.18 dB	IEC 61300-3-4
Ave/Random	0.18 dB	IEC 61300-3-34
Return Loss UPC/APC	55/65 dB	IEC 61300-3-6

Fibre Specification

Characteristics	
Attenuation (dB) / km	0.38 @ 1310nm / 0.25 @ 1550nm
Chromatic Dispersion (ps/nm x km)	3.0 @ 1310nm / 18.0 @ 1550nm

Cable Specification

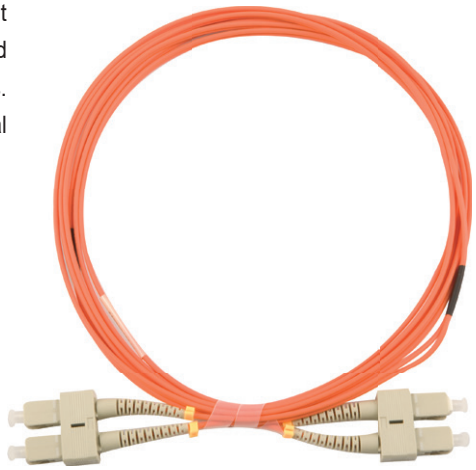
Characteristics	Simplex	Duplex
Cable Material	LSZH and PVC	LSZH and PVC
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (˚C)	-20 to 60	-20 to 60

For part number generator see page 12

Patch Cords

For Data Environments

Multimode Patch Cords are used to connect high speed and legacy network like Gigabit Ethernet, Fast Ethernet and Ethernet. Our multimode Patch Cords are manufactured using LSZH and PVC cables which conform to IEC, EIA, TIA and Telecordia standarts. OM1 Patch Cords are terminated with our standard connector which gives optimum optical performance.



62.5/125 (OM1)

OM1
62,5/125

Features

- ✓ SC, LC, ST, FC, MU and E2000 connectors
- ✓ LSZH or PVC orange colour cable
- ✓ 900µm tight buffer
- ✓ OM1 fibre conforms to TIA/EIA 492AAAA, IEC60793-2-10
- ✓ Simplex and duplex assemblies
- ✓ Duplex assemblies available with clips (SC and LC)
- ✓ Different connector performance range for specific application

Applications

- ✓ Gigabit Ethernet in high speed LAN networks over an indicative 275 m link lenght at 850 nm (SX) wavelenght
- ✓ Legacy networks including Ethernet, Fast Ethernet and FDDI
- ✓ Data centers
- ✓ Premise cabling in data networks including backbone, riser and horizontal
- ✓ Support video, data and voice services

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Fibre Specification

Characteristics	
Attenuation (dB) / km	3.0 @ 850nm / 0.8 @ 1300nm
Bandwidth OFL (MHz x km)	200 @ 850nm / 500 @ 1300nm

Cable Specification

Characteristics	Simplex	Duplex
Cable Material	LSZH and PVC	LSZH and PVC
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (˚C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	

For part number generator see page12

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Patch Cords

For Data Environments

Multimode Patch Cords are used to connect high speed and legacy network like Gigabit Ethernet, Fast Ethernet and Ethernet. Our multimode Patch Cords are manufactured using LSZH and PVC cables which conform to IEC, EIA, TIA and Telecordia standarts. OM2 Patch Cords are terminated with our standard connector which gives optimum optical performance.

50/125 (OM2)

OM2
50/125

Features

- ✓ SC, LC, ST and FC connectors
- ✓ LSZH or PVC orange colour cable
- ✓ 900µm tight buffer
- ✓ OM2 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAB, IEC60793-2-10
- ✓ Simplex and duplex assemblies
- ✓ Duplex assemblies available with clips (SC and LC)
- ✓ Different connector performance range for specific application

Applications

- ✓ For use in 1 Gb/s high speed LAN networks over a 550 m indicative link lenght at 850 nm wavelenght using a laser launch
- ✓ High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- ✓ Data centers
- ✓ Premises cabling in data networks including backbone, riser and horizontal
- ✓ Support video, data and voice services

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4

Fibre Specification

Characteristics	
Attenuation (dB) / km	2.8 @ 850nm / 0.8 @ 1300nm
Bandwidth OFL (MHz x km)	500 @ 850nm / 500 @ 1300nm

Cable Specification

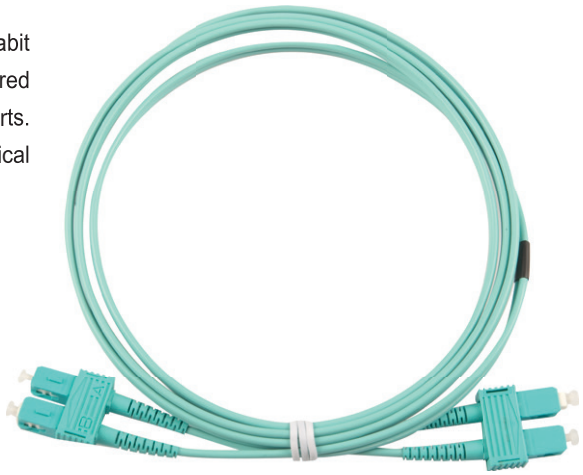
Characteristics	Simplex	Duplex
Cable Material	LSZH and PVC	LSZH and PVC
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (˚C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	

For part number generator see page 12

Patch Cords

For Data Environments

Multimode Patch Cords are used to connect high speed and legacy network like Gigabit Ethernet, Fast Ethernet and Ethernet. Our multimode Patch Cords are manufactured using LSZH and PVC cables which conform to IEC, EIA, TIA and Telecordia standarts. OM3 Patch Cords are terminated with our standard connector which gives optimum optical performance.



50/125 (OM3)

OM3
50/125

Features

- ✓ SC, LC, ST and FC connectors
- ✓ LSZH or PVC aqua colour cable
- ✓ 900µm tight buffer
- ✓ OM3 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAB, IEC60793-2-10
- ✓ Simplex and duplex assemblies
- ✓ Duplex assemblies available with clips (SC and LC)
- ✓ Different connector performance range for specific application

Applications

- ✓ For use in 10 Gb/s high speed LAN networks over a 300 m indicative link lenght at 850 nm wavelenght using a laser launch
- ✓ High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- ✓ Data centers
- ✓ Premises cabling in data networks including backbone, riser and horizontal
- ✓ Support video, data and voice services

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Fibre Specification

Characteristics	
Attenuation (dB) / km	2.8 @ 850nm / 0.8 @ 1300nm
Bandwidth OFL (MHz x km)	500 @ 850nm / 500 @ 1300nm
Bandwidth LEMB (MHz x km)	2000 @ 850nm

Cable Specification

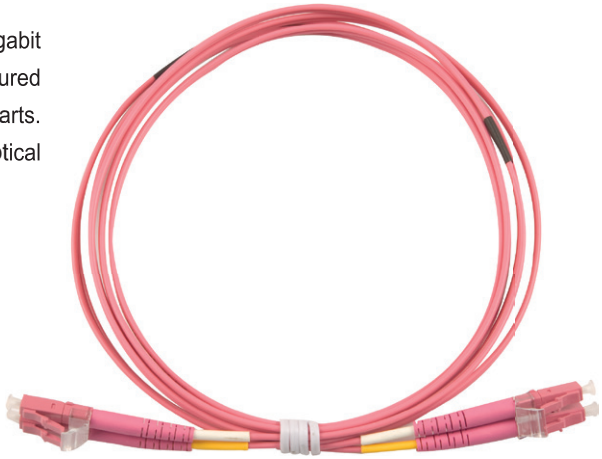
Characteristics	Simplex	Duplex
Cable Material	LSZH and PVC	LSZH and PVC
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (˚C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	

For part number generator see page 12

Patch Cords

For Data Environments

Multimode Patch Cords are used to connect high speed and legacy network like Gigabit Ethernet, Fast Ethernet and Ethernet. Our multimode Patch Cords are manufactured using LSZH and PVC cables which conform to IEC, EIA, TIA and Telecordia standarts. OM4 Patch Cords are terminated with our standard connector which gives optimum optical performance.



50/125 (OM4)

OM4
50/125

Features

- ✓ SC, LC, ST and FC connectors
- ✓ LSZH or PVC aqua or violet colour cable
- ✓ 900µm tight buffer
- ✓ OM4 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAB, IEC60793-2-10
- ✓ Simplex and duplex assemblies
- ✓ Duplex assemblies available with clips (SC and LC)
- ✓ Different connector performance range for specific application

Applications

- ✓ For use in 10 Gb/s high speed LAN networks over a 400 m indicative link lenght at 850 nm (SX) wavelenght using a laser launch
- ✓ High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- ✓ Data centers
- ✓ Premises cabling in data networks including backbone, riser and horizontal
- ✓ Support video, data and voice services

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Fibre Specification

Characteristics	
Attenuation (dB) / km	2.8 @ 850nm / 0.8 @ 1310nm
Bandwidth OFL (MHz x km)	3500 @ 850nm / 500 @ 1310nm

Cable Specification

Characteristics	Simplex	Duplex
Cable Material	LSZH and PVC	LSZH and PVC
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (˚C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	

For part number generator see page 12

Patch Cords Part Number Generator

Product Name	
Patchcord	PCH

Connector End A	
FC	FC
FC/APC	FCA
SC	SC
SC/APC	SCA
ST	ST
ST/APC	STA
LC	LC
LC/APC	LCA
MU	MU
MU/APC	MUA
E2000	E2
E2000/APC	E2A

Connector End B	
FC	FC
FC/APC	FCA
SC	SC
SC/APC	SCA
ST	ST
ST/APC	STA
LC	LC
LC/APC	LCA
MU	MU
MU/APC	MUA
E2000	E2
E2000/APC	E2A

Mode	
OS1/OS2	OS
OM1	M1
OM2	M2
OM3	M3
OM4	M4

Configuration	
SX LSZH	SLZ
DX LSZH	DLZ
FLAT LSZH	FLZ
SX PVC	SPV
DX PVC	DPV
FLAT PVC	FPV

Diameter	
1,8 mm	18
2,0 mm	20
2,4 mm	24
3,0 mm	30

Colour	
YELLOW	YE
ORANGE	OR
AQUA	AQ
VIOLET	VI

Lenght	
1 M	01
2 M	02
3 M	03
5 M	05
10 M	10
XX M	XX

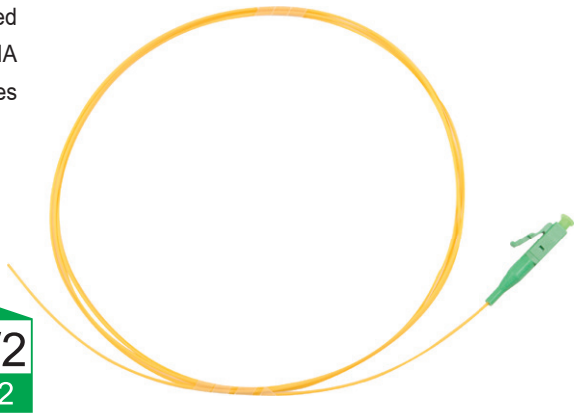
Example Part Number: PCH SC SC M1 SLZ 20 OR 05

Will configure an OM1 SC to SC 2mm diameter cable simplex patch cord in orange 5 meters long.

PIGTAILS

For Data Environments

Singlemode Pigtails are used in telcom, datacom networks and also used for high speed metropolitan and access network. Our singlemode pigtail buffer conforms to IEC, EIA, TIA and Telecordia standards. They are terminated with our standart connector which gives optimum optical performance.



9/125 (OS1-OS2) OS1/2 9/125 OS1/2 G.657A1 OS1/2 G.657A2

Features

- ✓ SC, LC, ST, FC, MU and E2000 connectors
- ✓ UPC and APC interface
- ✓ LSZH or PVC cable
- ✓ 900µm tight buffer or easy strip
- ✓ ITU-T G.652.D, TIA/EIA 492CAAB
- ✓ Bend intensitive ITU G.657.A1 or ITU G.657.A2
- ✓ Different connector performance range for specific application
- ✓ Available in standard yellow colour buffer and also in standard 12 colours as per IEC 60304

Applications

- ✓ Telcom and datacom application
- ✓ Patch panels, wall boxes, ODFs and splice cassettes
- ✓ Easy strip pigtails for on site installation
- ✓ Supports high speed multi channel video, data and voice services in metropolitan and access networks
- ✓ ATM, SONET and WDM

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.18 dB	IEC 61300-3-4
Ave/Random	0.18 dB	IEC 61300-3-34
Return Loss	50/60 dB	IEC 61300-3-6

Fibre Specification

Characteristics	
Attenuation (dB) / km	0.38 @ 1310nm / 0.25 @ 1550nm
Bandwidth OFL (MHz x km)	3.0 @ 1310nm / 18.0 @ 1550nm
Polarization Mode Dispersion (ps/√km	≤ 0.2

Cable Specification

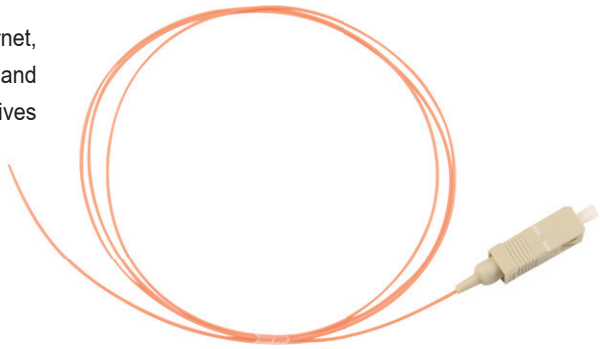
Characteristics	Units	Simplex
Crush	N/100mm	500
Operating Temperature	°C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

For part number generator see page 18

PIGTAILS

For Data Environments

Multimode Pigtails are used to connect high speed networks like Gigabit Ethernet, Fast Ethernet and Ethernet. Our multimode pigtail buffer conforms to IEC, EIA, TIA and Telecordia standards. They are terminated with our standart connector which gives optimum optical performance.



62.5/125 (OM1) OM1 62,5/125

Features

- ✓ SC, LC, ST, FC, MU and E2000 connectors
- ✓ LSZH or PVC cable
- ✓ 900µm tight buffer or easy strip
- ✓ OM1 pigtail is available in standart orange colour
- ✓ Multimode fiber conforms to TIA/EIA 492AAAA
- ✓ Different connector performance range for specific application
- ✓ Available in standard 12 colours as per IEC 60304

Applications

- ✓ Networks including Ethernet, Fast Ethernet and GBE
- ✓ Internal inter-connect
- ✓ Ideal for a wide range of telcom, datacom and process control applications where rugedisation is required
- ✓ Suitable for repeated handling in patch panels and racks

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Fibre Specification

Characteristics	
Attenuation (dB) / km	0.3 @ 850nm / 0.8 @ 1300nm
Bandwidth OFL (MHz x km)	200 @ 850nm / 500 @ 1300nm

Cable Specification

Characteristics	Units	Simplex
Crush	N/100mm	500
Operating Temperature	°C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

For part number generator see page 18

PIGTAILS

For Data Environments

Multimode Pigtails are used to connect high speed networks like Gigabit Ethernet, Fast Ethernet and Ethernet. Our multimode pigtail buffer conforms to IEC, EIA, TIA and Telecordia standards. They are terminated with our standart connector which gives optimum optical performance.

50/125 (OM2)

OM2
50/125

Features

- ✓ SC, LC, ST, FC, MU and E2000 connectors
- ✓ LSZH or PVC cable
- ✓ 900µm tight buffer or easy strip
- ✓ OM2 pigtail is available in standart orange colour
- ✓ Multimode fiber conforms to ITU-G651, TIA/EIA 492AAAA
- ✓ Different connector performance range for specific application
- ✓ Available in standard 12 colours as per IEC 60304

Applications

- ✓ Networks including Ethernet, Fast Ethernet and GBE
- ✓ Internal inter-connect
- ✓ Ideal for a wide range of telcom, datacom and process control applications where rugedisation is required
- ✓ Suitable for repeated handling in patch panels and racks

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Cable Specification

Characteristics	Units	Simplex
Crush	N/100mm	500
Operating Temperature	°C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

Fibre Specification

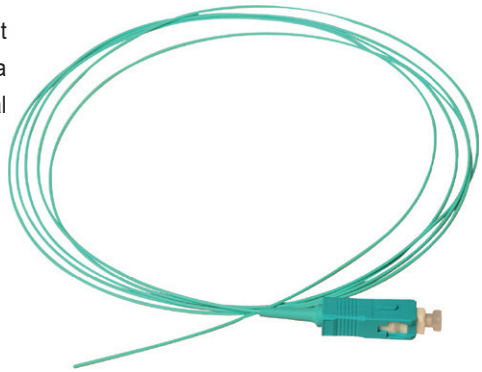
Characteristics	
Attenuation (dB) / km	2.8 @ 850nm / 0.8 @ 1310nm
Bandwidth OFL (MHz x km)	1500 @ 850nm / 500 @ 1300nm

For part number generator see page 18

PIGTAILS

For Data Environments

Multimode Pigtails are used to connect high speed networks like Gigabit Ethernet, Fast Ethernet and Ethernet. Our multimode pigtail buffer conforms to IEC, EIA, TIA and Telecordia standards. They are terminated with our standart connector which gives optimum optical performance.



50/125 (OM3)

OM3
50/125

Features

- ✓ SC, LC, ST, FC, MU and E2000 connectors
- ✓ LSZH or PVC cable
- ✓ 900µm tight buffer or easy strip
- ✓ OM3 pigtail is available in standart aqua colour
- ✓ Multimode fiber conforms to ITU-G651, TIA/EIA 492AAAA
- ✓ Different connector performance range for specific application
- ✓ Available in standard 12 colours as per IEC 60304

Applications

- ✓ Networks including Ethernet, Fast Ethernet and GBE
- ✓ Internal inter-connect
- ✓ Ideal for a wide range of telcom, datacom and process control applications where rugedisation is required
- ✓ Suitable for repeated handling in patch panels and racks

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Fibre Specification

Characteristics	
Attenuation (dB) / km	2.8 @ 850nm / 0.8 @ 1300nm
Bandwidth OFL (MHz x km)	1500 @ 850nm / 500 @ 1300nm 2000 @ 850nm

Cable Specification

Characteristics	Units	Simplex
Crush	N/100mm	500
Operating Temperature	°C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

For part number generator see page 18

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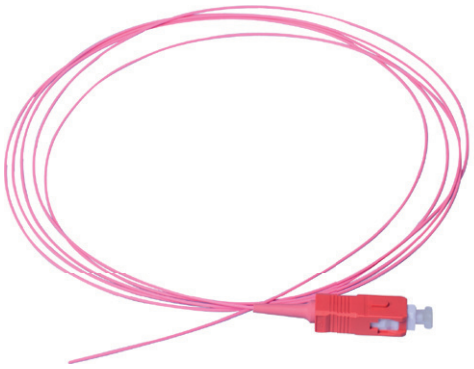
PIGTAILS

For Data Environments

Multimode Pigtails are used to connect high speed networks like Gigabit Ethernet, Fast Ethernet and Ethernet. Our multimode pigtail buffer conforms to IEC, EIA, TIA and Telecordia standards. They are terminated with our standart connector which gives optimum optical performance.



50/125 (OM4)

OM4
50/125

Features

- ✓ SC, LC, ST, FC, MU and E2000 connectors
- ✓ LSZH or PVC cable
- ✓ 900µm tight buffer or easy strip
- ✓ OM4 pigtail is available in standart aqua or violet colour
- ✓ Multimode fiber conforms to ITU-G651, TIA/EIA 492AAAA
- ✓ Different connector performance range for specific application
- ✓ Available in standard 12 colours as per IEC 60304

Applications

- ✓ Networks including Ethernet, Fast Ethernet and GBE
- ✓ Internal inter-connect
- ✓ Ideal for a wide range of telcom, datacom and process control applications where rugedisation is required
- ✓ Suitable for repeated handling in patch panels and racks

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.15 dB	IEC 61300-3-4
Ave/Random	0.20 dB	IEC 61300-3-34

Fibre Specification

Characteristics	
Attenuation (dB) / km	2.8 @ 850nm / 0.8 @ 1300nm
Bandwidth OFL (MHz x km)	3500 @ 850nm / 500 @ 1300nm 4700 @ 850nm

Cable Specification

Characteristics	Units	Simplex
Crush	N/100mm	500
Operating Temperature	°C	-20 to 60
Nominal buffer Diameter	µm	900+50
Max Tensile Load	N	6

For part number generator see page 18

Pigtails Part Number Generator

Product Name	
PIGTAIL	PGT

Connector End A	
FC	FC
FC/APC	FCA
SC	SC
SC/APC	SCA
ST	ST
ST/APC	STA
LC	LC
LC/APC	LCA
MU	MU
MU/APC	MUA
E2000	E2
E2000/APC	E2A

Mode	
OS1/OS2	OS
G.657.A1	A1
G.657.A2	A2
OM1	M1
OM2	M2
OM3	M3
OM4	M4

Structure	
Tight Buffer	TB
Easy Strip	ES

Material	
LSZH	LZ
PVC	PV

Colour	
YELLOW	YE
ORANGE	OR
AQUA	AQ
VIOLET	VI

Lenght	
1 M	01
1,5 M	15
2 M	02
XXM	XX

Example Part Number: PGT SC M2 TB LZ OR 15

Will configure an SC OM2 tight buffer LSZH pigtail in orange 1,5 meters longh

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BREAKOUT CABLE ASSEMBLIES (4-24 Fibres)

Optical Fibre Cable Tight Buffred

Full OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU - T G.652D), ITU - T G.657A1, ITU - T G.657A2 singlemode Breakout cable consisting of up to 24, 2.0mm Low Smoke Zero Halogen (LSZH) simplex cables each consisting of 1, 900um tight secondary buffered optical fibre with longitudinally applied aramid non metalic strength members and Low Smoke Zero Halogen (LSZH) jacket. The individually numbered simplex subunit are helically stranded in two layers around a LSZH jacketted Fibre Reinforced Plastic (FRP) non metalic central strenght member with polyester wrapping tape, ripcord and LSZH jacket.

OS1/2 9/125 | OS1/2 G.657A1 | OS1/2 G.657A2

OM1 62,5/125 | OM2 50/125 | OM3 50/125 | OM4 50/125

Features

- ✓ Choice of fibre type
- ✓ Color coded fibres
- ✓ High strenght aramid yarn strenght member
- ✓ LSZH jacket
- ✓ Easy to strip

Applications

- ✓ Internal cable for installation in trunking, under floor or ceiling spaces
- ✓ Fibre backbones in riser and horizantal configirations

Connector Specification

Optical Performance	Singlemode	Conformance
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.18 dB	IEC 61300-3-4
Ave/Random	0.18 dB	IEC 61300-3-34
Return Loss UPC/APC	55/65 dB	IEC 61300-3-6

For part number generator see page 20

Breakout Part Number Generator

Product Name	
Breakout	BOU

Connector End A	
FC	FC
FC/APC	FCA
SC	SC
SC/APC	SCA
ST	ST
ST/APC	STA
LC	LC
LC/APC	LCA
MU	MU
MU/APC	MUA
E2000	E2
E2000/APC	E2A

Connector End A	
FC	FC
FC/APC	FCA
SC	SC
SC/APC	SCA
ST	ST
ST/APC	STA
LC	LC
LC/APC	LCA
MU	MU
MU/APC	MUA
E2000	E2
E2000/APC	E2A

Mode	
OS1/OS2	OS
G.657.A1	A1
G.657.A2	A2
OM1	M1
OM2	M2
OM3	M3
OM4	M4

Fiber Count	
2	02
4	04
6	06
8	08
12	12
16	16
18	18
24	24

Lenght	
1 M	01
2 M	02
3 M	03
5 M	05
10 M	10
XX M	XX

Example Part Number: BOU SC SC A1 12 05

Will configure a 12 fiber SC to SC G.657A1 pre-terminated 5 meters cable.

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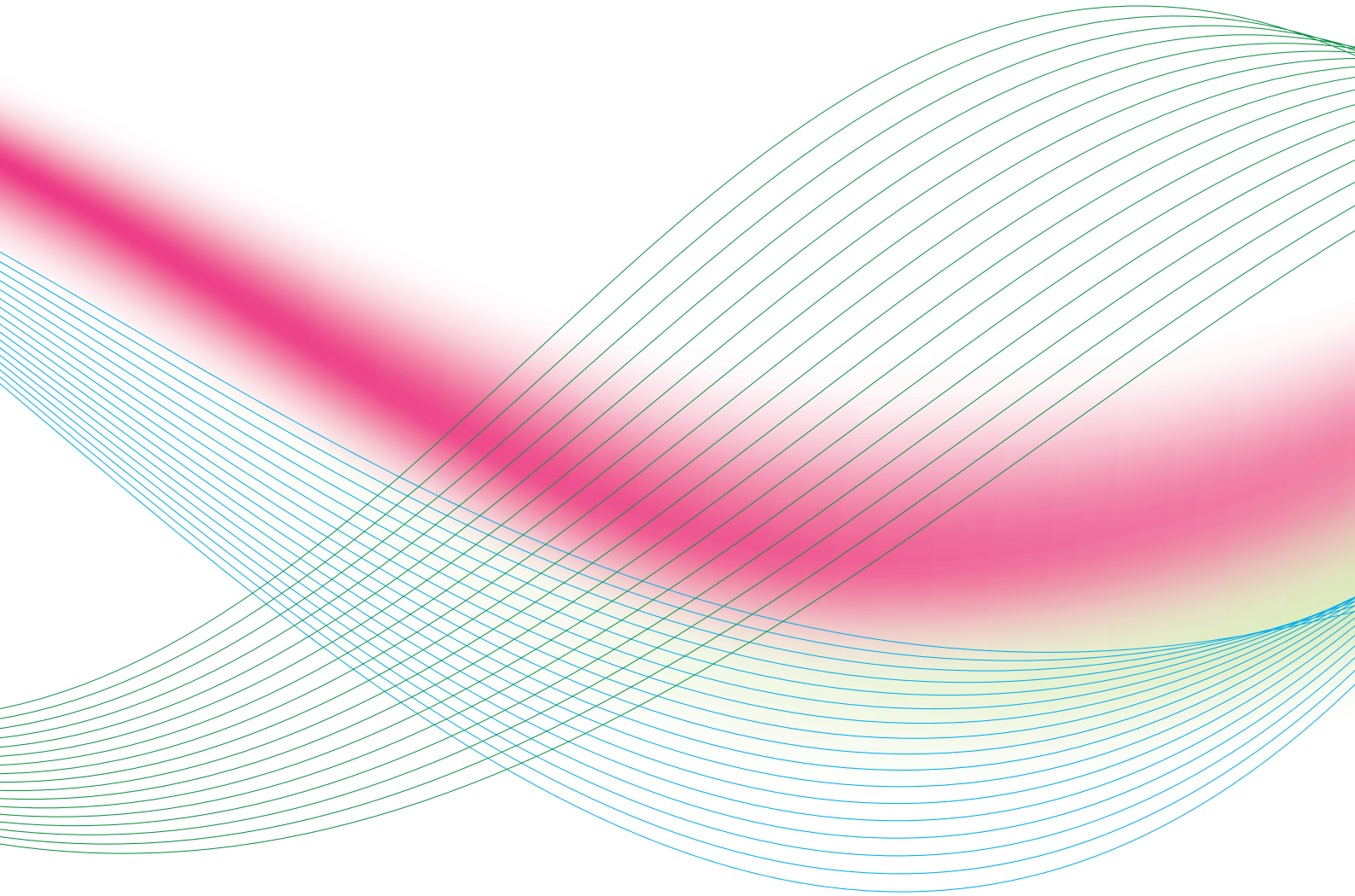
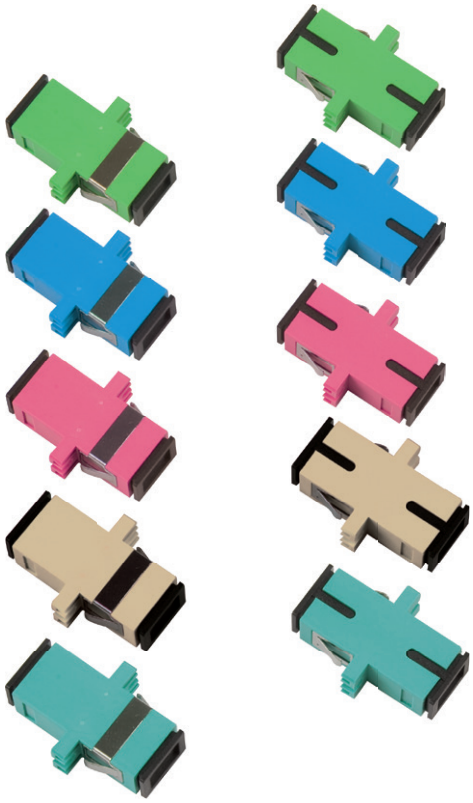
Optical Fiber Components

SC Adaptors 22
LC Adaptors 23
FC Adaptors 24
ST Adaptors 25
MU Adaptors 26
E2000 Adaptors 27
Adaptors Part Number Generator 28
Hybrid Adaptors 29
Hybrid Adaptors Part Number Generator 30
Attenuators 31
Attenuators Part Number Generator 32



SC ADAPTORS

Alfafonet offers a range of high quality SC adaptors which have high precision alignment sleeves for reliability and improved reconnectability. For Singlemode applications a ceramic sleeve is supplied to ensure a high precision alignment. For multimode applications a phosphor bronze or ceramic sleeve is suplied. The housing is available in different colours with options for flange or flangeless body, metal clips or inbuilt clips.



Features

- ✓ Complies with IEC 61754-4 and IEC 60874-14 standards
- ✓ High precision alignment sleeve
- ✓ Low insertion loss and improved reconnectability
- ✓ RoHS, REACH compliant
- ✓ Available in simplex and duplex adaptors
- ✓ Also available are SC simplex adaptors with a shutter

Applications

- ✓ Data centers, premise installations, telecommunication networks
- ✓ Ethernet, fiber channel, ATM, LAN, MAN and WAN

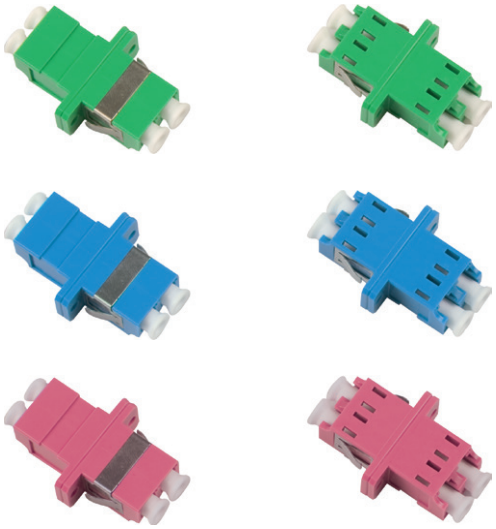
Technical Specification

Optical Performance	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention Force	2N - 5.9N		IEC 61754-4
Operating Temperature	-25 to +70°C, 12 Cycles		IEC 61300-2-22

For part number generator see page 28

LC ADAPTORS

Alfafonet offers a range of high quality LC adaptors which have high precision alignment sleeves for reliability and improved reconnectability. The LC adaptors come with ceramic sleeves for singlemode and phosphor bronze or ceramic sleeves for multimode. The housing is available in different colors with options for flange or flangeless body and metal or inbuilt clips.



Features

- ✓ Complies with IEC 61754-20
- ✓ High precision alignment sleeve
- ✓ Low insertion loss and improved reconnectability
- ✓ RoHS, REACH compliant

Applications

- ✓ Telecommunications networks
- ✓ CATV, LAN, MAN and WAN application
- ✓ Data processing networks
- ✓ Cable television
- ✓ Fiber to the home
- ✓ Premises distribution

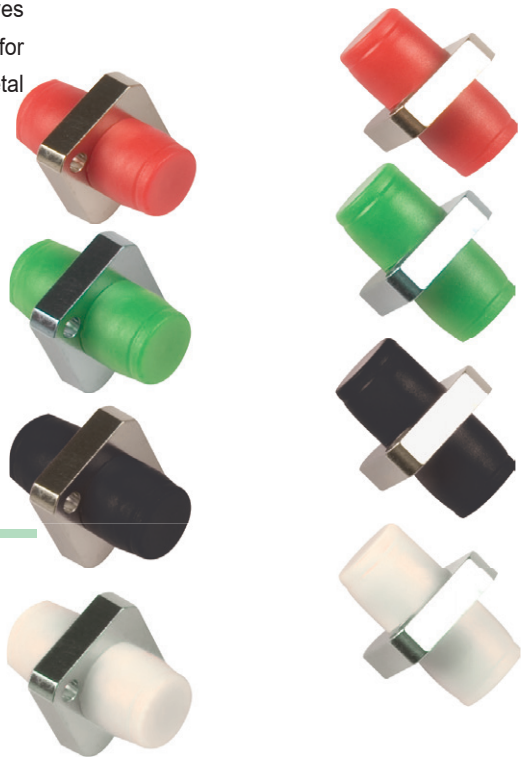
Technical Specification

Optical Performance	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention Force	1N - 2.5N		IEC 61754-20
Operating Temperature	-25 to +70°C, 12 Cycles		IEC 61300-2-22

For part number generator see page 28

FC ADAPTORS

Alfafonet offers a range of high quality FC adaptors featuring precision alignment sleeves for high reliability and better reconnectability. FC adaptors come with ceramic sleeves for singlemode and phosphor bronze or ceramic sleeve for multimode. The housing has a metal body.



Features

- ✓ Complies with IEC 61754-13 and TIA 604-4-A standards
- ✓ High precision alignment sleeve for low insertion loss
- ✓ Low insertion loss and improved reconnectability
- ✓ Narrow key, 2.06 mm for APC and UPC connectors
- ✓ RoHS, REACH compliant
- ✓ Available in simplex and duplex adaptors
- ✓ Also available in simplex only with DD footprint

Applications

- ✓ Telecommunications networks
- ✓ Local area networks
- ✓ Data processing networks
- ✓ Cable television
- ✓ Premises distribution
- ✓ Test and laboratory equipment
- ✓ Industrial and military application

Technical Specification

Optical Performance	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention Force	2N - 5.9N		IEC 61754-20
Operating Temperature	-25 to +70°C, 12 Cycles		IEC 61300-2-22

For part number generator see page 28

ST ADAPTORS

Alfafonet ST adaptors have high precision alignment sleeves for reliability and better reconnectability. ST adaptors come with a ceramic sleeves for the singlemode phosphor bronze or ceramic sleeve for multimode. The housing is available in double D footprint type.

Features

- ✓ Complies with IEC 61754-12
- ✓ Low insertion loss and improved reconnectability
- ✓ RoHS, REACH compliant
- ✓ Available in simplex or duplex

Applications

- ✓ Data processing networks
- ✓ Premises distribution

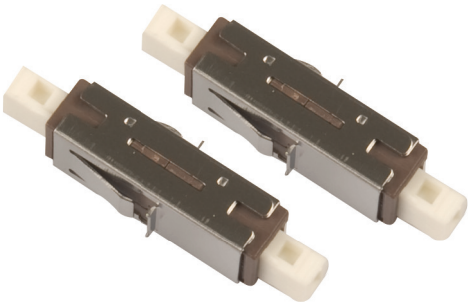
Technical Specification

Optical Performance	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention Force	2N - 5.9N		IEC 61754-20
Operating Temperature	-25 to + 70°C, 12 Cycles		IEC 61300-2-22

For part number generator see page 28

MU ADAPTORS

Alfafonet offers a range of high quality MU adaptors which have high precision alignment sleeves for reliability and improved reconnectability. For Singlemode applications a ceramic sleeve is supplied to ensure a high precision alignment. For multimode applications a phosphor bronze sleeve is suplied. The housing is available in different colours with options for flange or flangeless body, metal clips or inbuilt clips.



Features

- ✓ Complies with IEC 61754-4 and IEC 60874-14 standards
- ✓ High precision alignment sleeve
- ✓ Low insertion loss and improved reconnectability
- ✓ RoHS, REACH compliant
- ✓ Available in simplex and duplex adaptors

Applications

- ✓ Data centers, premise installations, telecommunications, networks
- ✓ Ethernet, fiber channel, ATM, LAN, MAN and WAN

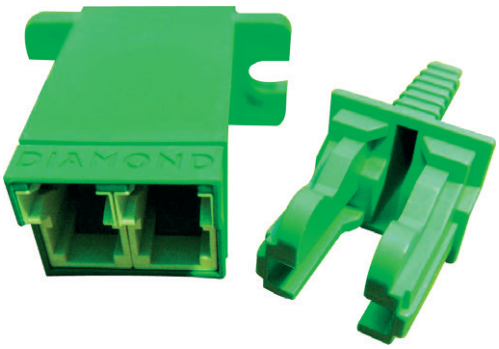
Technical Specification

Optical Performance	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention Force	1N - 2.5N		IEC 61754-20
Operating Temperature	-25 to + 70°C, 12 Cycles		IEC 61300-2-22

For part number generator see page 28

E2000 ADAPTORS

Alfafonet offers a range of high quality E2000 adaptors which have high precision alignment sleeves for reliability and better reconnectability. Each E2000 connector has an inbuilt mechanism to open the shutter and guide the ferrule in the alignment sleeve. E2000 adaptors come with a ceramic sleeves for the singlemode and phosphor bronze or ceramic sleeves for the multimode. The housing is available in different colours and a flangeless body option.



Features

- ✓ Complies with IEC 61754-15
- ✓ High precision alignment sleeve
- ✓ Low insertion loss and high reconnectability
- ✓ Narrow key, 2.06 mm for APC and UPC connectors
- ✓ APC and UPC connectors
- ✓ Available in simplex only

Applications

- ✓ Suitable for high power laser applications
- ✓ Telecommunications networks
- ✓ WDM, DWDM applications
- ✓ Testing and measurement equipment

Technical Specification

Optical Performance	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention Force	2N - 5.9N		IEC 61754-20
Operating Temperature	-25 to + 70°C, 12 Cycles		IEC 61300-2-22

For part number generator see page 28

Adaptors Part Number Generator

Product Name	
Adaptor	ADP

Structure	
Simplex	SX
Duplex	DX
Quadro	QD

Mode	
PC	PC
APC	APC
Multimode	MM

Type	
LC	LC
SC	SC
ST	ST
FC	FC
MU	MU
E20000	E2

Material	
PLASTIC	PL
METAL	MT
S. PLAS. MET	SM
PC	PC
PEI	PI
PPO	PO
ABS	AB
PBT	PB
ZINC ALLOY	ZA
COPPER	CP

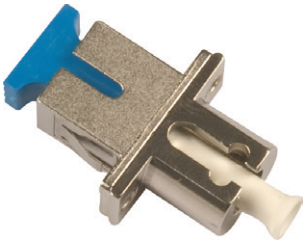
Flange	
FLANGE	FG
FLANGELESS	FS

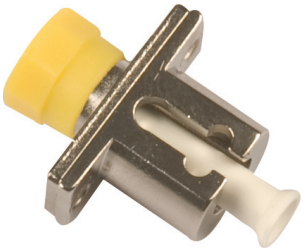
Example Part Number: ADP SX APC SC PB FG

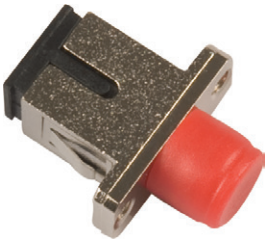
Will configure an SC/APC PBT material Simplex adaptor with flange.

HYBRID ADAPTORS

Alfafonet hybrid adaptors are used for mating two different style connectors. Alfafonet hybrid adaptors conform to international standards, are quality tested, and are available in singlemode, multimode and many different connector type configurations.







Features

- ✓ Complies with IEC, TIA/EIA, Telcordia standards
- ✓ High precision alignment sleeve
- ✓ Low insertion loss and high reconnectability
- ✓ Narrow key, 2.06 mm for APC and UPC connectors
- ✓ RoHS, REACH compliant
- ✓ Available in plastic or metal body

Applications

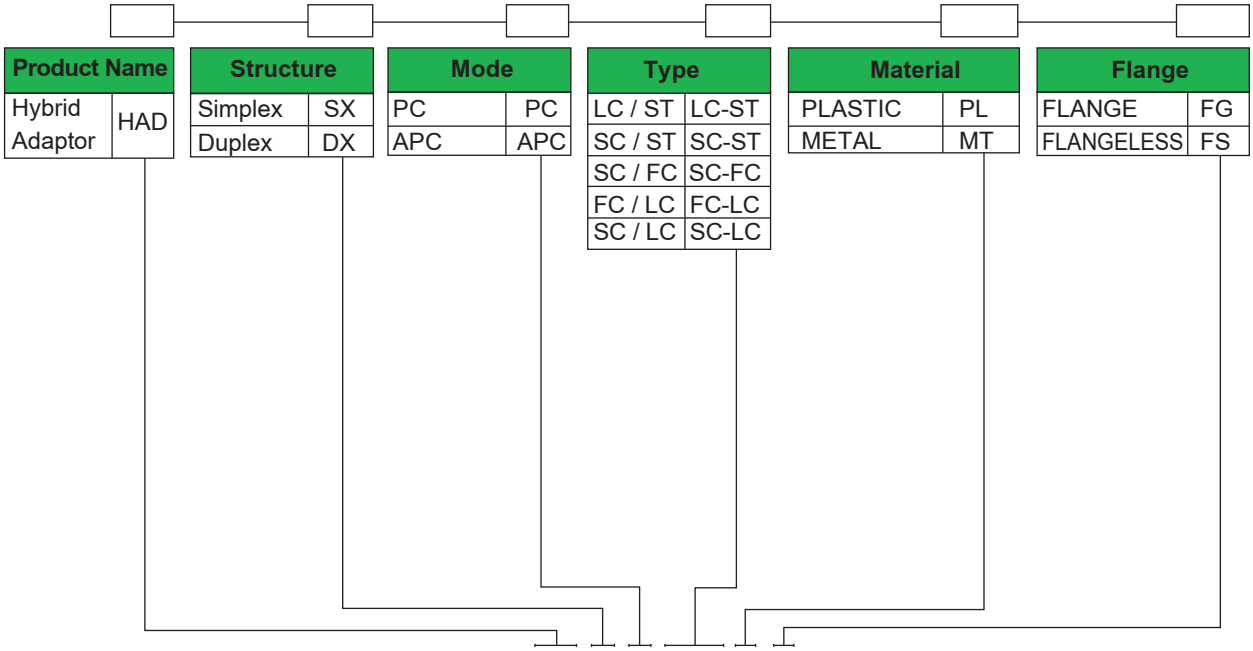
- ✓ Telecommunications networks
- ✓ Local area networks
- ✓ Data processing networks
- ✓ Cable television
- ✓ Premises distribution
- ✓ Test and laboratory equipment
- ✓ Industrial and military application

Technical Specification

Optical Performance	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention Force	2N - 5.9N		IEC 61754-13
Operating Temperature	-25 to + 70°C, 12 Cycles		IEC 61300-2-22

For part number generator see page 30

Hybrid Adaptors Part Number Generator

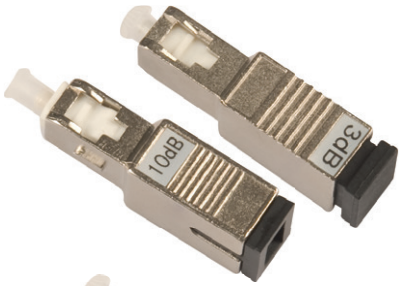


Example Part Number: HAD SX PC SC-LC PL FG

Will configure an SC/PC-LC/PC plastic material Simplex hybrid adaptor with flange.

ATTENUATORS FC, SC, LC, ST and MU

Alfafonet singlemode and multimode attenuators are used in commucination systems to reduce optical power launched onto the photo detector. These high performance devices are designed to give accurate attenuation over a wide range of wavelenghts. The plug type configuration allows them to be used directly on the end of patch cord, which in turn can insert directly into an adaptor.



Features

- ✓ Plug-in type
- ✓ Adapter type
- ✓ In-line type
- ✓ Available in FC, SC, LC, ST and MU connector styles with UPC or APC finish.
- ✓ Attenuator provide ultra-low return loss and are available from 1 dB to 30 dB.
- ✓ Accurate attenuation
- ✓ Ultra low back reflection
- ✓ Broad wavelenght band
- ✓ Flat response over a wavelenght range
- ✓ Environmentally stable

Applications

- ✓ Telecommunications networks
- ✓ Fiber optic sensors
- ✓ Test and measurement
- ✓ CATV
- ✓ LAN and WAN
- ✓ FTTX

Technical Specification

Parameter		
Available range of Attenuation	1 to 30 dB with 1 dB increments	
Operating W avelenght	1310 and 1550 nm (or single wavelength)	
Operating Band Pass	Dual Window	1310 and 1550 nm (±25 nm)
Attenuators 5 dB	± 0.5 dB	
Attenuators 6 to 30 dB	± 10% of attenuation	
Resistance	UPC=55 dB APC=60 dB	
International Standard	Telcordia GR-910-CORE	

For part number generator see page 32

Plug-in Attenuator Part Number Generator

Product Name		Structure		Mode		Type		Material		Atenuation	
Plug-in Attenuator	PIA	SM	SM	PC	PC	LC / ST	LC-ST	PLASTIC	PL	1 dB	01
		MM	MM	APC	APC	SC	SC	METAL	MT	3 dB	03
						FC	FC			10 dB	10
						ST	ST			30 dB	30
						MU	MU				
						E2000	E2				

Example Part Number: PIA SM PC SC PL 30

Adaptor Attenuator Part Number Generator

Product Name		Structure		Mode		Type		Material		Atenuation	
Adapter Attenuator	ADA	SM	SM	PC	PC	LC	LC	PLASTIC	PL	1 dB	01
		MM	MM	APC	APC	SC	SC	METAL	MT	3 dB	03
						FC	FC			10 dB	10
						ST	ST			30 dB	30
						MU	MU				
						E2000	E2				

Example Part Number: ADA MM PC LC PL 10

In-Line Attenuator Part Number Generator

Product Name		Structure		Mode		Type		Lenght		Atenuation	
In-Line Attenuator	INA	SM	SM	PC	PC	LC	LC	60 cm	06	1 dB	01
		MM	MM	APC	APC	SC	SC	1 M	10	3 dB	03
						FC	FC			10 dB	10
						ST	ST			30 dB	30
						MU	MU				

Example Part Number: INA SM PC FC 06 03

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Termination Panels

OptiSlide 1RU Fiber Termination Patch/Splice Panel 34

OptiSlide 2RU Fiber Termination Patch/Splice Panel 37

RailSystem 1RU Fiber Termination Patch/Splice Panel 40

RailSystem 2RU Fiber Termination Patch/Splice Panel 43

RailSystem Angled 1RU Fiber Termination Patch/Splice Panel 46

RailSystem Angled 2RU Fiber Termination Patch/Splice Panel 49

RailSlide 1RU Fiber Termination Patch/Splice Panel 52

RailSlide 2RU Fiber Termination Patch/Splice Panel 55

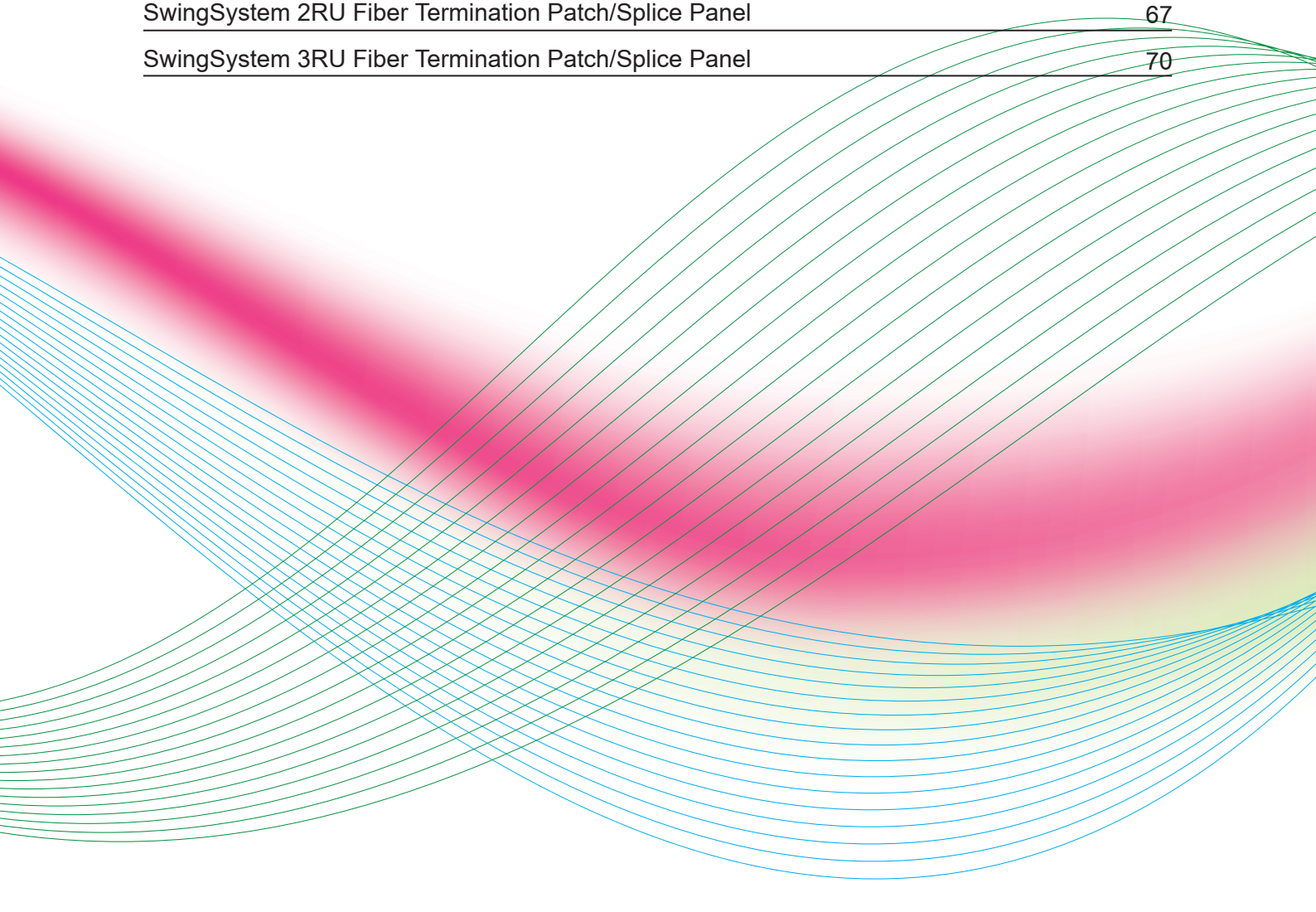
PivotSystem 1RU Fiber Termination Patch/Splice Panel 58

PivotSystem 2RU Fiber Termination Patch/Splice Panel 61

SwingSystem 1RU Fiber Termination Patch/Splice Panel 64

SwingSystem 2RU Fiber Termination Patch/Splice Panel 67

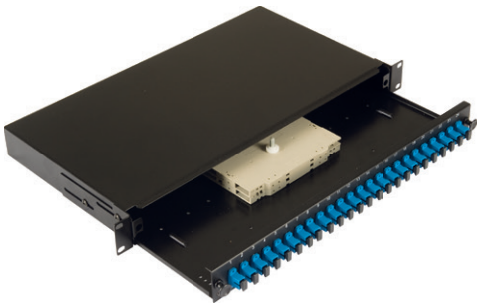
SwingSystem 3RU Fiber Termination Patch/Splice Panel 70



OptiSlide

1RU Fiber Termination Patch/Splice Panel

The OptiSlide 1RU sliding patch panel system in its basic form is supplied with the panels unloaded without adaptors ready for you to install the adaptor of your choice.The panel can also be pre-loaded complete with the required adaptor and simple splice management kit, or preloaded with pigtails to meet your project needs. The tray is locked in place with two simple to operate plastic latches, when fully extended the tray is designed to lower to 45°, or move the tray to the side and it will lock to lower only 10°. This provides the perfect working platform for simple installation or easy maintenance and access even after the panel is installed in the rack. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length.

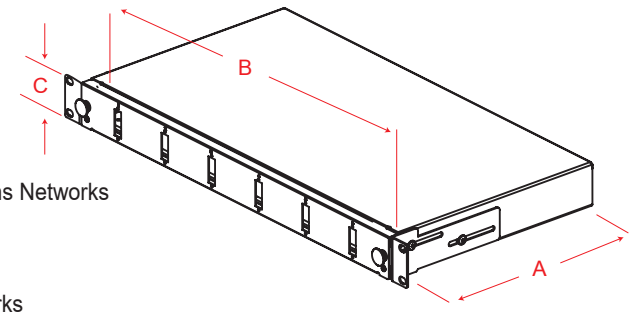


Features

- ✓ Up to 48 fibres in 1RU
- ✓ Printed port numbers on the front plate
- ✓ Available with different front plates (sold separately to reduce stock value) for all type of connectors
- ✓ Adjustable depth in rack
- ✓ Rear cable entry options
- ✓ Light in weight and robust structure

Specifications

- ✓ Cold Rolled Steel Construction
- ✓ Durable textured powder coat finish available in black(RAL9005) or Light Grey(RAL7035)
- ✓ Universal 19" rack compatibility
- ✓ Cable Entry 21mm(2pcs), Cable Entry 23mm(2pcs)
- ✓ Compliant to RoHS

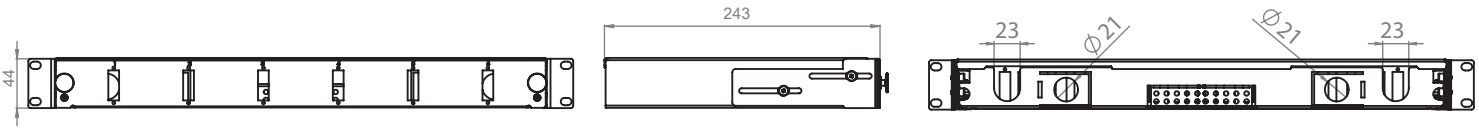


Applications

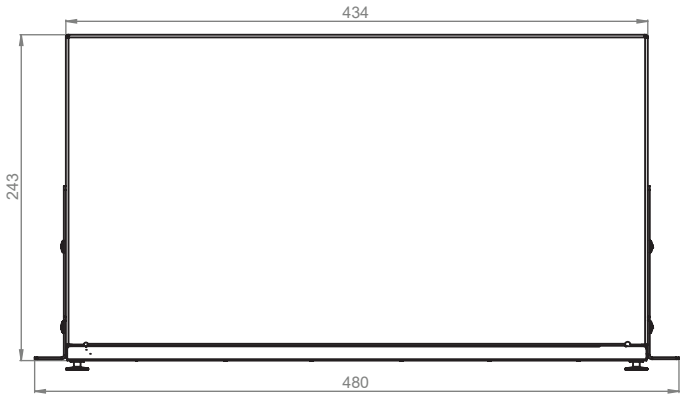
- ✓ Telecommunications Networks
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Data Communications
- ✓ Indoor Applications

Dimensions

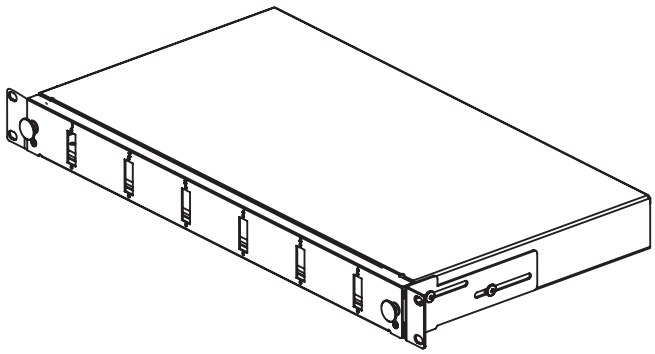
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
243	434	44	1	24/48	2,3 kg



FRONT VIEW SIDE VIEW BACK VIEW

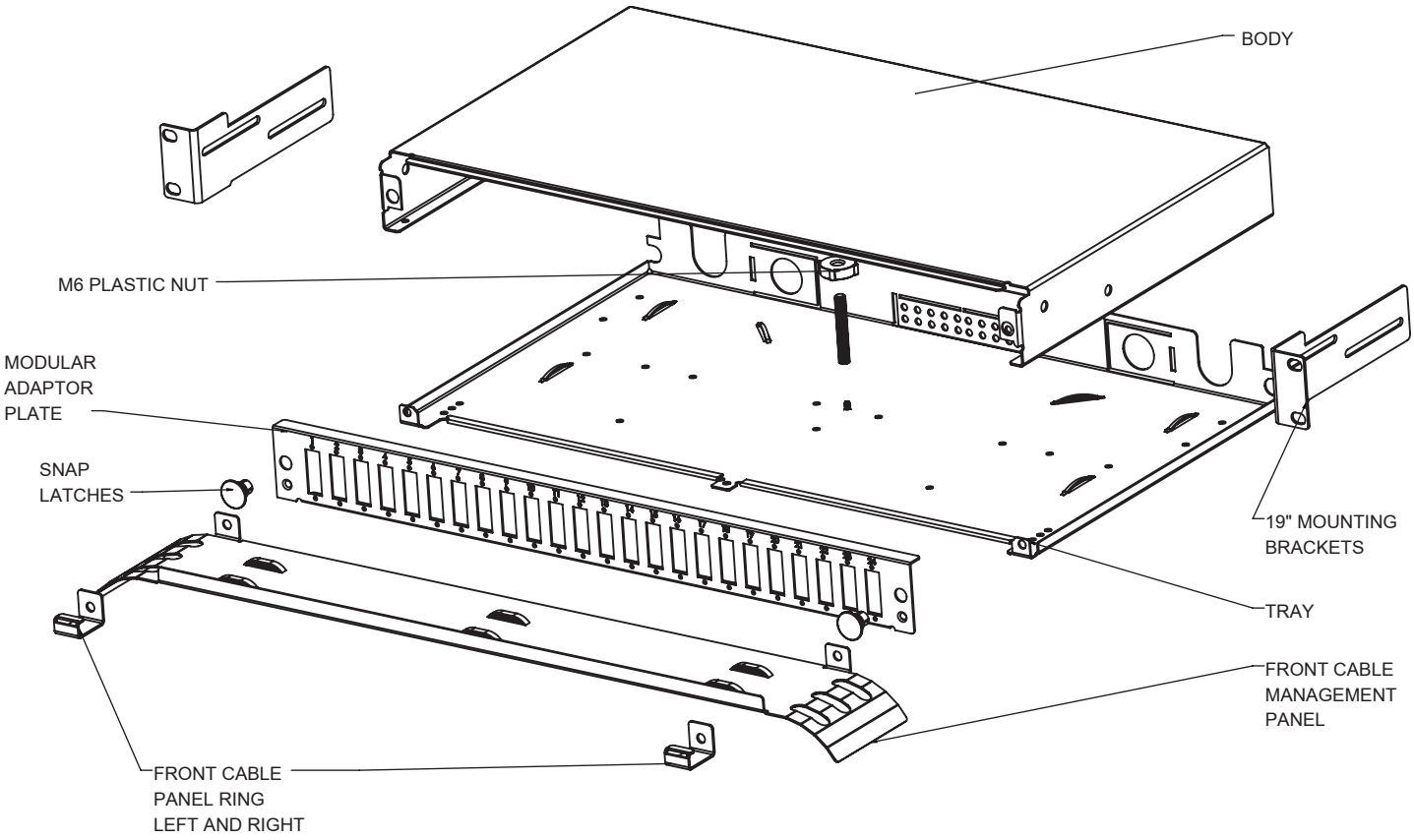


TOP VIEW

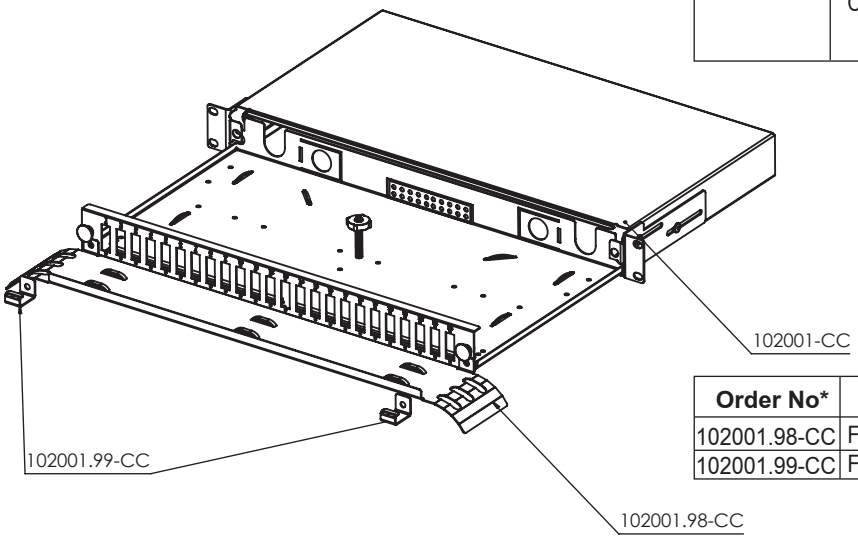


ISOMETRIC VIEW

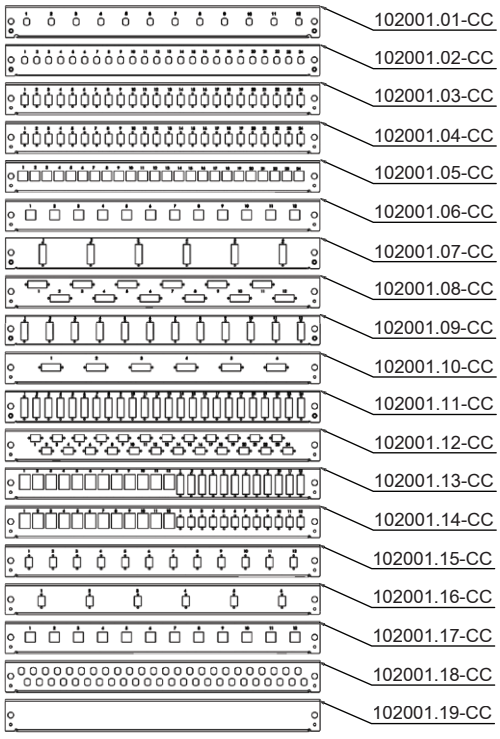
EXPLODED VIEW



Order No*	Product Definition
102001-CC	OptiSlide 1RU Fibre Optic Termination Panel,19"- Sliding Mechanically, without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (1pcs. PG13.5 Plastic Gland, 1pcs. PG16 Plastic Gland, 6pcs. Adhesive Bunny Clips, 4pcs. 2,5mmX10 Cable Ties, 2pcs. Plastic Snap Latches, 5pcs. M3 Fixing Screw)



Order No*	OptiSlide 1RU Optional Parts
102001.98-CC	Front Cable Management Panel
102001.99-CC	Front Cable Management Rings Left&Right



Order No*	OptiSlide 1RU Front Plate Options
102001.01-CC	12 ST or 12 FC (D-hole) 1RU Front Plate
102001.02-CC	24 ST or 24 FC (D-hole) 1RU Front Plate
102001.03-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 1RU Front Plate
102001.04-CC	24 MTP or 24 MPO 1RU Front Plate
102001.05-CC	24 LC Duplex Square-Cut 1RU Front Plate
102001.06-CC	12 LC Duplex Square-Cut 1RU Front Plate
102001.07-CC	6 SC Duplex or 6 LC Quad Vertical 1RU Front Plate
102001.08-CC	12 SC Duplex or 12 LC Quad Horizontally Shifted 1RU Front Plate
102001.09-CC	12 SC Duplex or 12 LC Quad Vertical 1RU Front Plate
102001.10-CC	6 SC Duplex or 6 LC Quad Horizantal 1RU Front Plate
102001.11-CC	24 SC Duplex or 24 LC Quad Vertical 1RU Front Plate
102001.12-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex Horizontally Shifted 1RU Front Plate
102001.13-CC	12 Keystone + 12 SC Duplex Vertical (LC Quad) 1RU Front Plate
102001.14-CC	12 Keystone + 12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex 1RU Front Plate
102001.15-CC	12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex 1RU Front Plate
102001.16-CC	6 LC Duplex or 6 E2000 Simplex or 6 SC Simplex 1RU Front Plate
102001.17-CC	12 E2000 Duplex Compact (RdM) 1RU Front Plate
102001.18-CC	48 ST or 48 FC (D-hole) 1RU Front Plate
102001.19-CC	1RU Dummy Plate

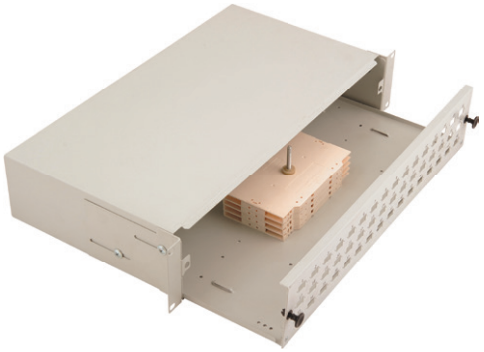
Ordering Information

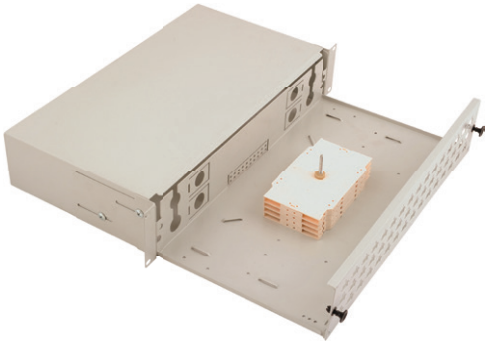
* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

OptiSlide

2RU Fiber Termination Patch/Splice Panel

The OptiSlide 2RU sliding patch panel system in its basic form is supplied with the panels unloaded without adaptors ready for you to install the adaptor of your choice.The panel can also be pre-loaded complete with the required adaptor and simple splice management kit, or preloaded with pigtails to meet your project needs. The tray is locked in place with two simple to operate plastic latches, when fully extended the tray is designed to lower to 45°, or move the tray to the side and it will lock to lower only 10°. This provides the perfect working platform for simple installation or easy maintenance and access even after the panel is installed in the rack. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length.



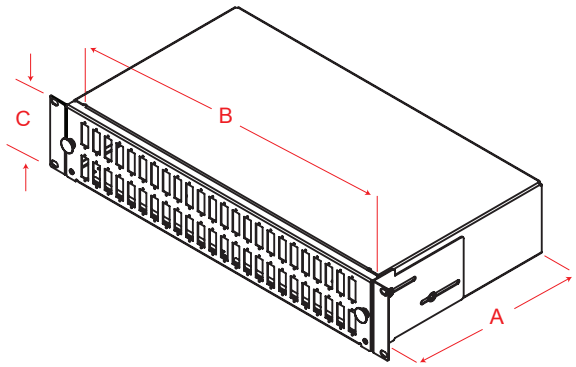


Features

- ✓ Up to 96 fibres in 2RU
- ✓ Printed port numbers on the front plate
- ✓ Available with different front plates (sold separately to reduce stock value) for all type of connectors
- ✓ Adjustable depth in rack
- ✓ Rear cable entry options
- ✓ Light in weight and robust structure

Specifications

- ✓ Cold Rolled Steel Construction
- ✓ Durable textured powder coat finish available in black(RAL9005) or Light Grey(RAL7035)
- ✓ Universal 19" rack compatibility
- ✓ Cable Entry 21mm(4pcs), Cable Entry 23mm(4pcs)
- ✓ Compliant to RoHS

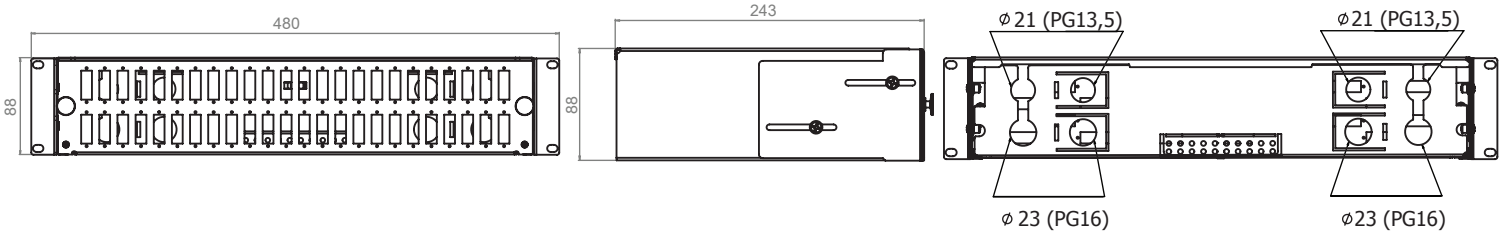


Applications

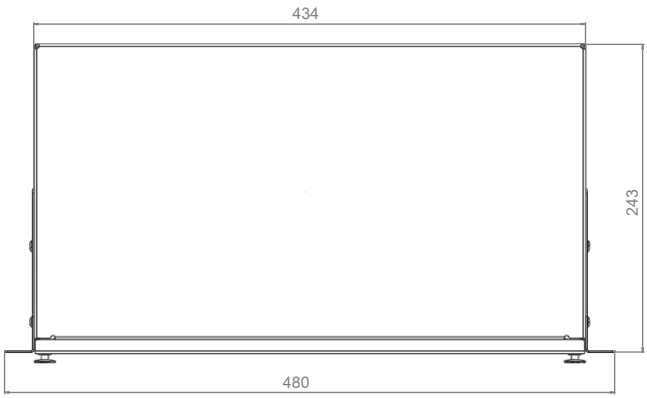
- ✓ Telecommunications Networks
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Data Communications
- ✓ Indoor Applications

Dimensions

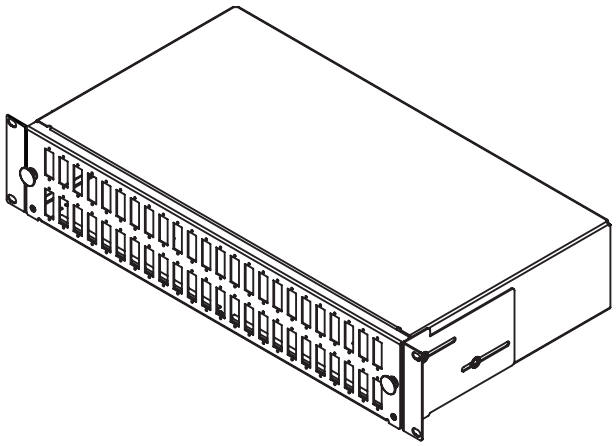
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
243	434	88	2	48/96	2,8 kg



FRONT VIEW | SIDE VIEW | BACK VIEW

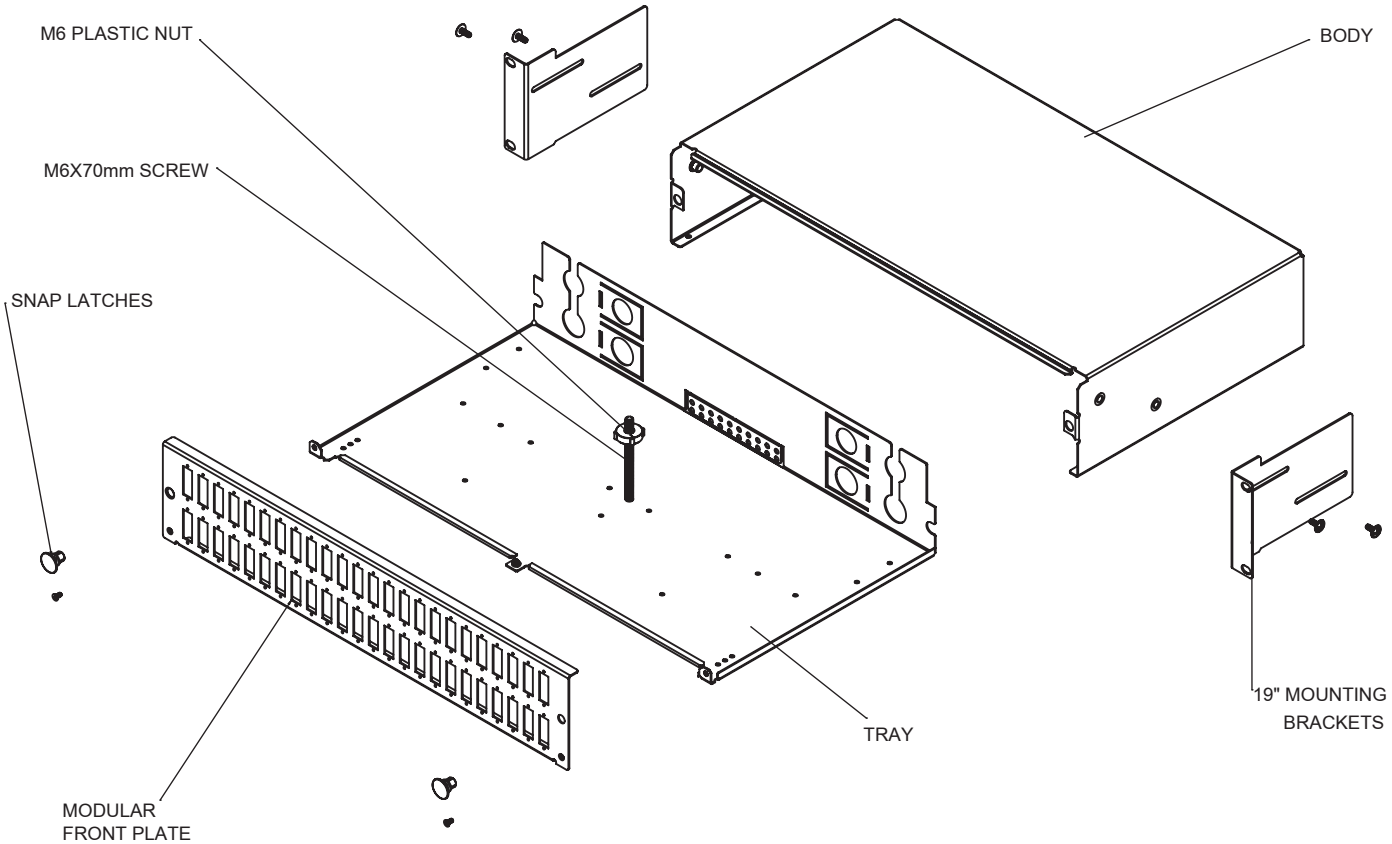


TOP VIEW



ISOMETRIC VIEW

EXPLODED VIEW



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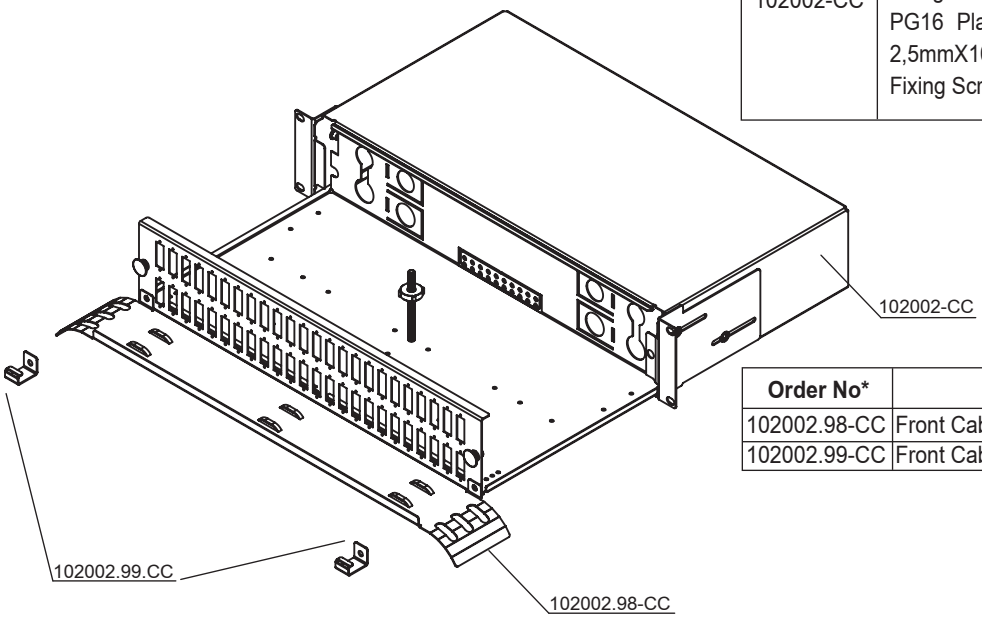
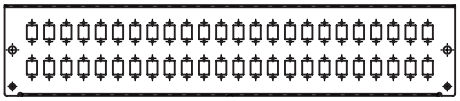
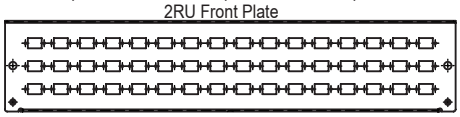
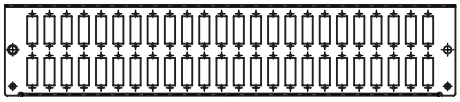
Order No*	Product Definition
102002-CC	OptiSlide 2RU Fibre Optic Termination Panel,19"- Sliding Mechanically, without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (1pcs. PG13.5 Plastic Gland, 1pcs. PG16 Plastic Gland, 6pcs. Adhesive Bunny Clips, 4pcs. 2,5mmX10 Cable Ties, 2pcs. Plastic Snap Latches, 5pcs. M3 Fixing Screw)"

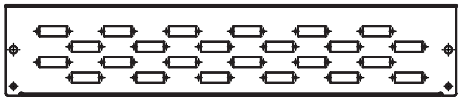


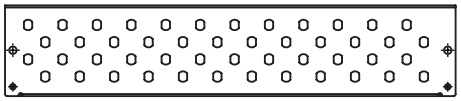
Order No*	OptiSlide 2RU Optional Parts
102002.98-CC	Front Cable Management Panel
102002.99-CC	Front Cable Management Panel Ring Left And Right (2 pcs)

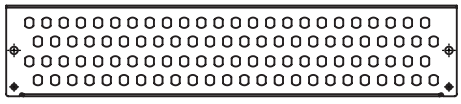

48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex Vertical 2RU Front Plate


48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex Horizontal 2RU Front Plate


48 SC Duplex Vertical 2RU Front Plate


24 SC Duplex or 24 LC Quad Horizontal 2RU Front Plate


48 ST or 48 FC(D-hole) 2RU Front Plate


96 ST or 96 FC(D-hole) 2RU Front Plate

Order No*	OptiSlide 2RU Front Plate Options
102002.01-CC	48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex Vertical 2RU Front Plate
102002.02-CC	48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex Horizontal 2RU Front Plate
102002.03-CC	48 SC Duplex Vertical 2RU Front Plate
102002.04-CC	24 SC Duplex or 24 LC Quad Horizontal 2RU Front Plate
102002.05-CC	48 ST or 48 FC(D-hole) 2RU Front Plate
102002.06-CC	96 ST or 96 FC(D-hole) 2RU Front Plate

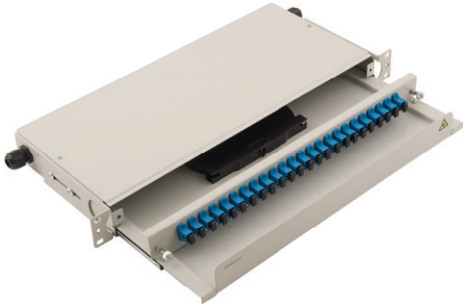
Ordering Information

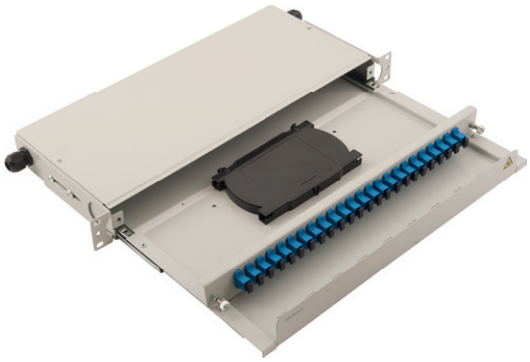
* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

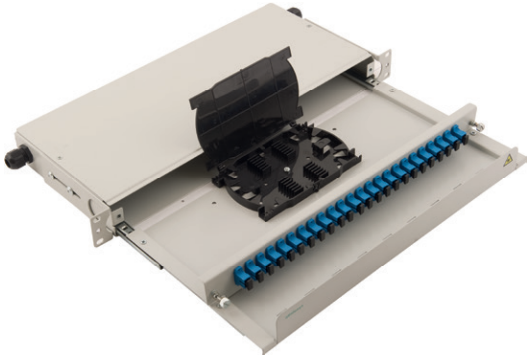
RailSystem

1RU Fiber Termination Patch/Splice Panel

The RailSystem 1RU Fiber Termination Patch/Splice Panel is designed for use as a rack mount interconnect point where termination and connectivity of up to 48 fibers is desired. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Mounted on telescopic runners to ensure the tray slides in and out with a smooth action. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length. The panel also offers multiple cable entry solutions, up to 2 standard cable entry points for, loose tube, tight buffer, preterminated and steel tape armoured cable. Each panel has integrated strength member tie positions.





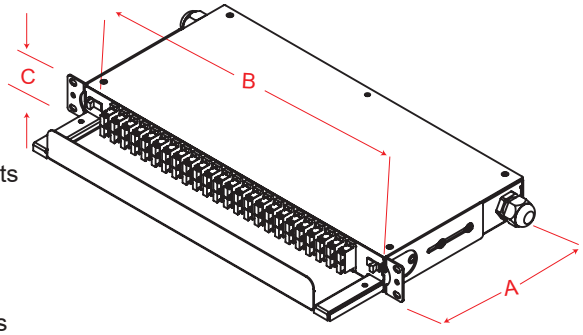


Features

- ✓ Accepts loose tube, distribution and pre terminated cables
- ✓ Changeable adaptor plates
- ✓ Plastic lock for fixing the tray
- ✓ Pulled-open front pulled-out tray
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

- ✓ Cold Rolled Steel or Aluminium
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Front cable manager for patch cords
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is left/right side
- ✓ Optional cable stub location is rear



Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks

Dimensions

DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
280	430	44	1	24/48	3,7 kg

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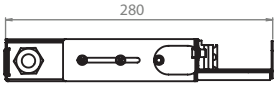
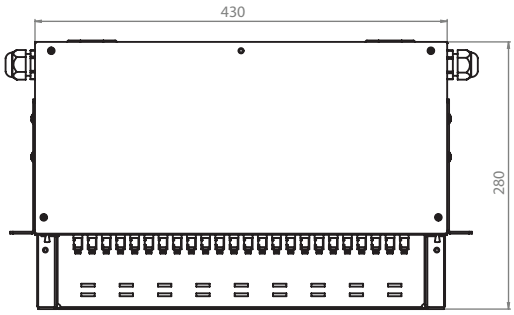
FRONT VIEW

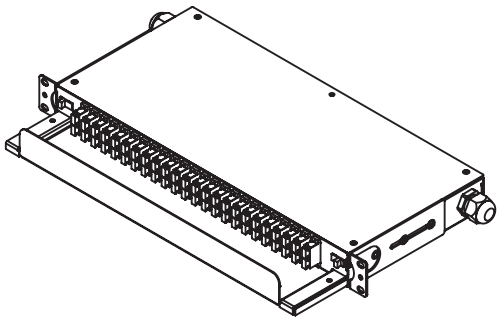


SIDE VIEW

BACK VIEW

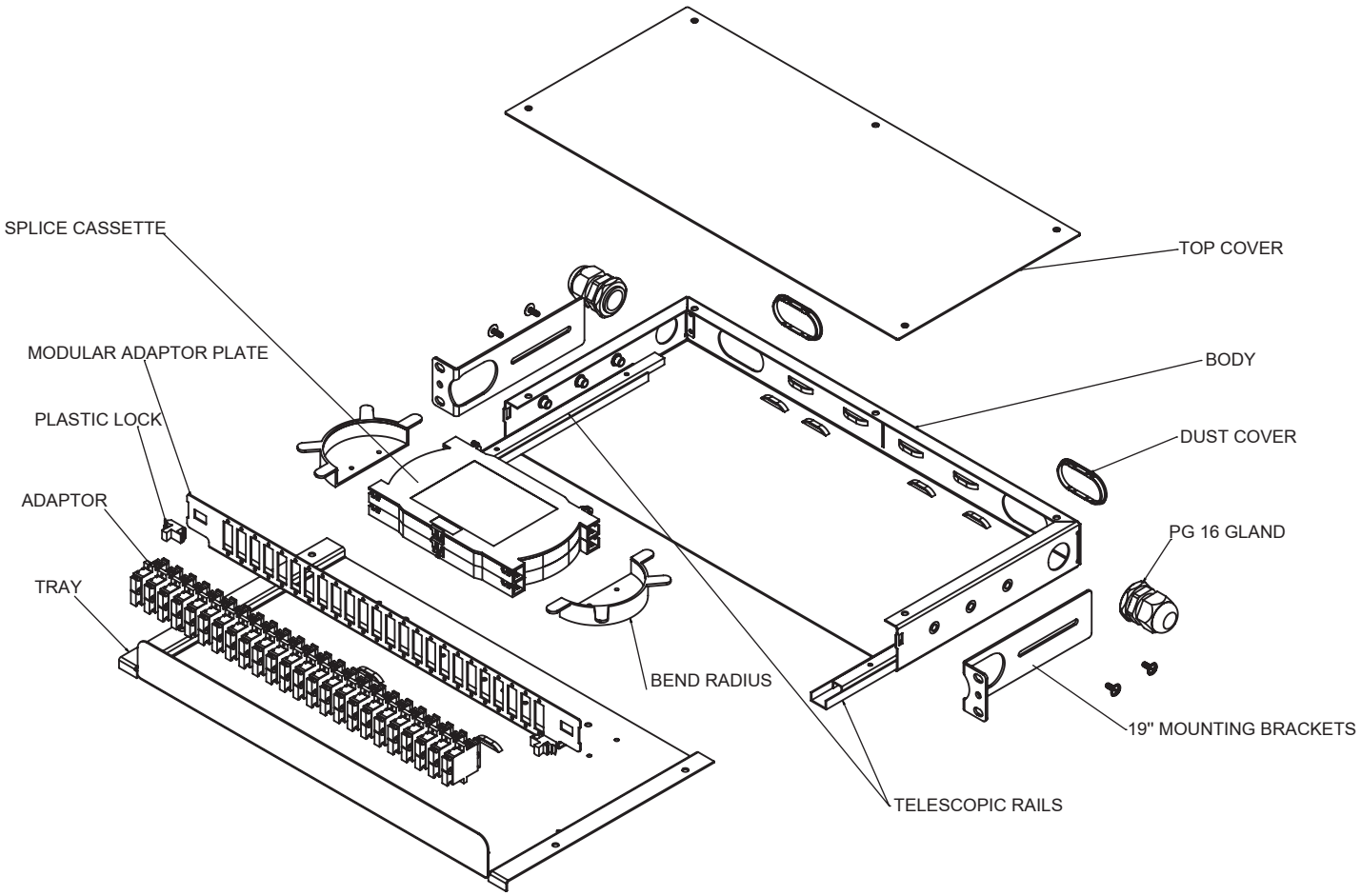


TOP VIEW

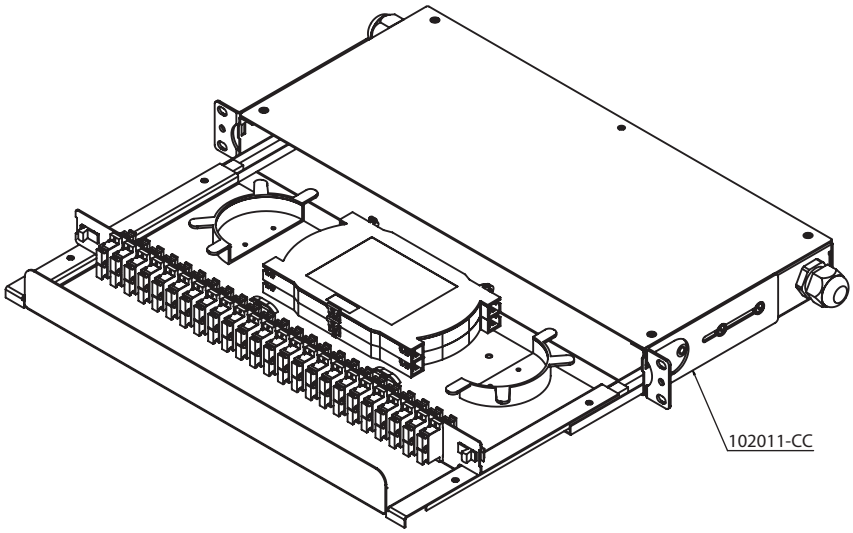


ISOMETRIC VIEW

EXPLODED VIEW

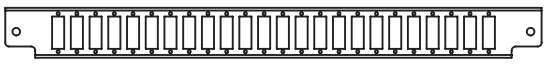


Order No*	Product Definition
102011-CC	RailSystem 1RU Fibre Optic Termination Panel, 19" - Sliding with Telescopic Rails, without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035,(1pcs. PG16 Plastic Gland, 1pcs. 50cm Spiral Wrap Ø8mm,4pcs. Plastic Half Round Spools for Bend Radius, 2pcs. Plastic Dust Cover for Cable Entries , 4pcs. 2,5mmX10 Cable Ties)

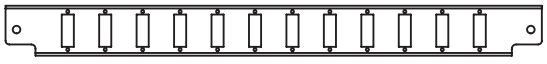


24 ST or FC (D-hole) 1RU Front Plate

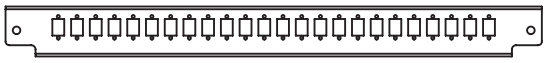
12 ST or FC (D-hole) 1RU Front Plate



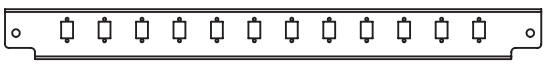
24 SC Duplex Vertical 1RU Front Plate



12 SC Duplex Vertical 1RU Front Plate



24 LC Duplex, E2000 Simplex, SC Simplex 1RU Front Plate



12 LC Duplex, E2000 Simplex, SC Simplex 1RU Front Plate

Order No*	RailSystem 1RU Front Plate Options
102011.01-CC	24 ST or 24 FC (D-hole) 1RU Front Plate
102011.02-CC	12 ST or 12 FC (D-hole) 1RU Front Plate
102011.03-CC	24 SC Duplex Vertical 1RU Front Plate
102011.04-CC	12 SC Duplex Vertical 1RU Front Plate
102011.05-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 1RU Front Plate
102011.06-CC	12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex 1RU Front Plate

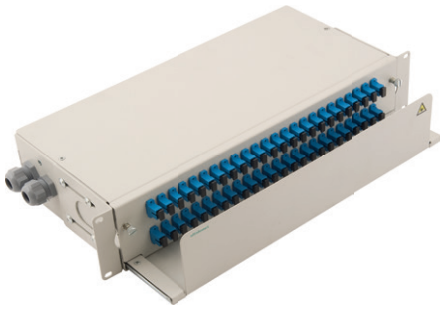
Ordering Information

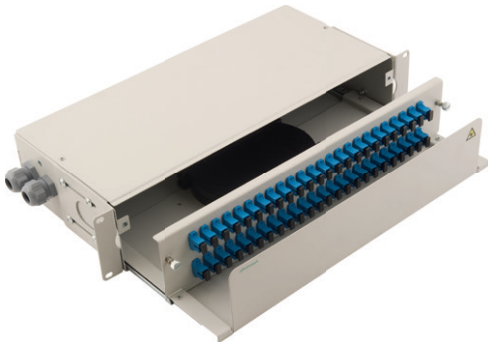
* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

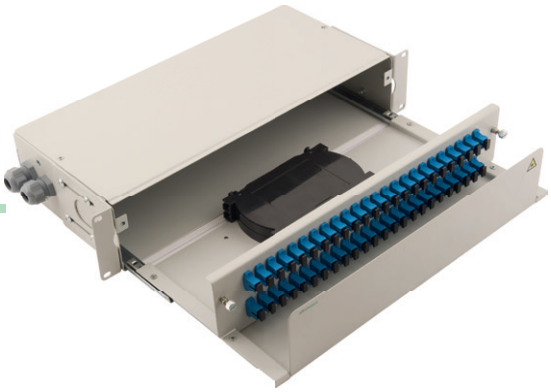
RailSystem

2RU Fiber Termination Patch/Splice Panel

The RailSystem 2RU Fiber Termination Patch/Splice Panel is designed for use as a rack mount interconnect point where termination and connectivity of up to 96 fibers is desired. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Mounted on telescopic runners to ensure the tray slides in and out with a smooth action. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length. The panel also offers multiple cable entry solutions, up to 4 standard cable entry points for, loose tube, tight buffer, preterminated and steel tape armoured cable. Each panel has integrated strength member tie positions.







Features

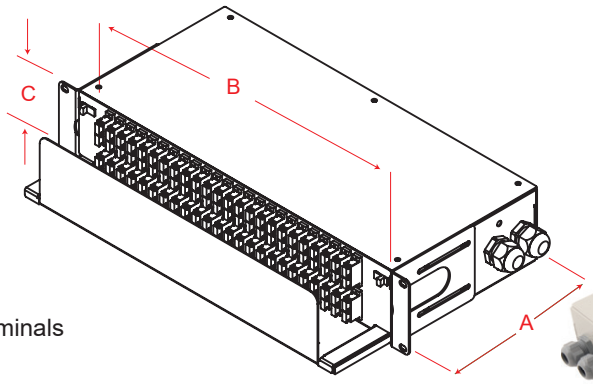
- ✓ Accepts loose tube, distribution and pre terminated cables
- ✓ Changeable adaptor plates
- ✓ Plastic lock for fixing the tray
- ✓ Pulled-open front pulled-out tray
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

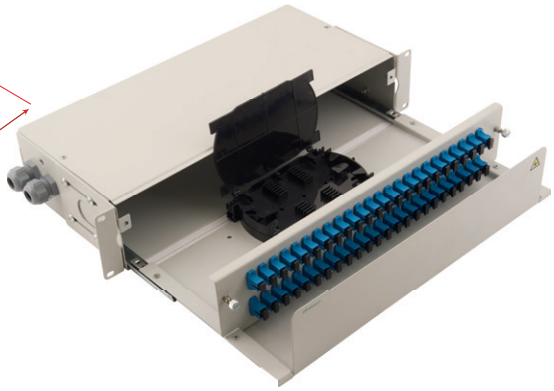
Specifications

- ✓ Cold Rolled Steel or Aluminium
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Front cable manager for patch cords
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is left/right side
- ✓ Optional cable stub location is rear

Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks

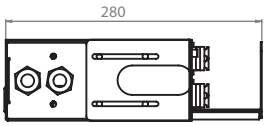




Dimensions

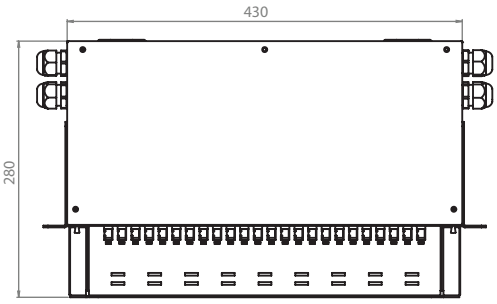
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
280	430	88	2	48/96	4,3 kg

FRONT VIEW

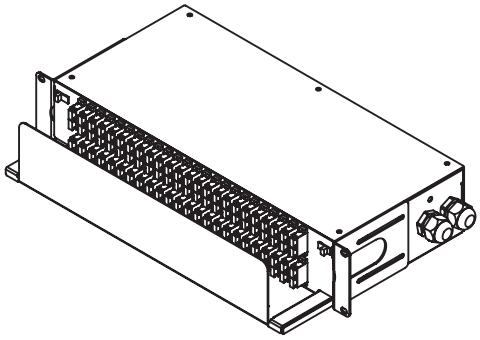


SIDE VIEW

BACK VIEW

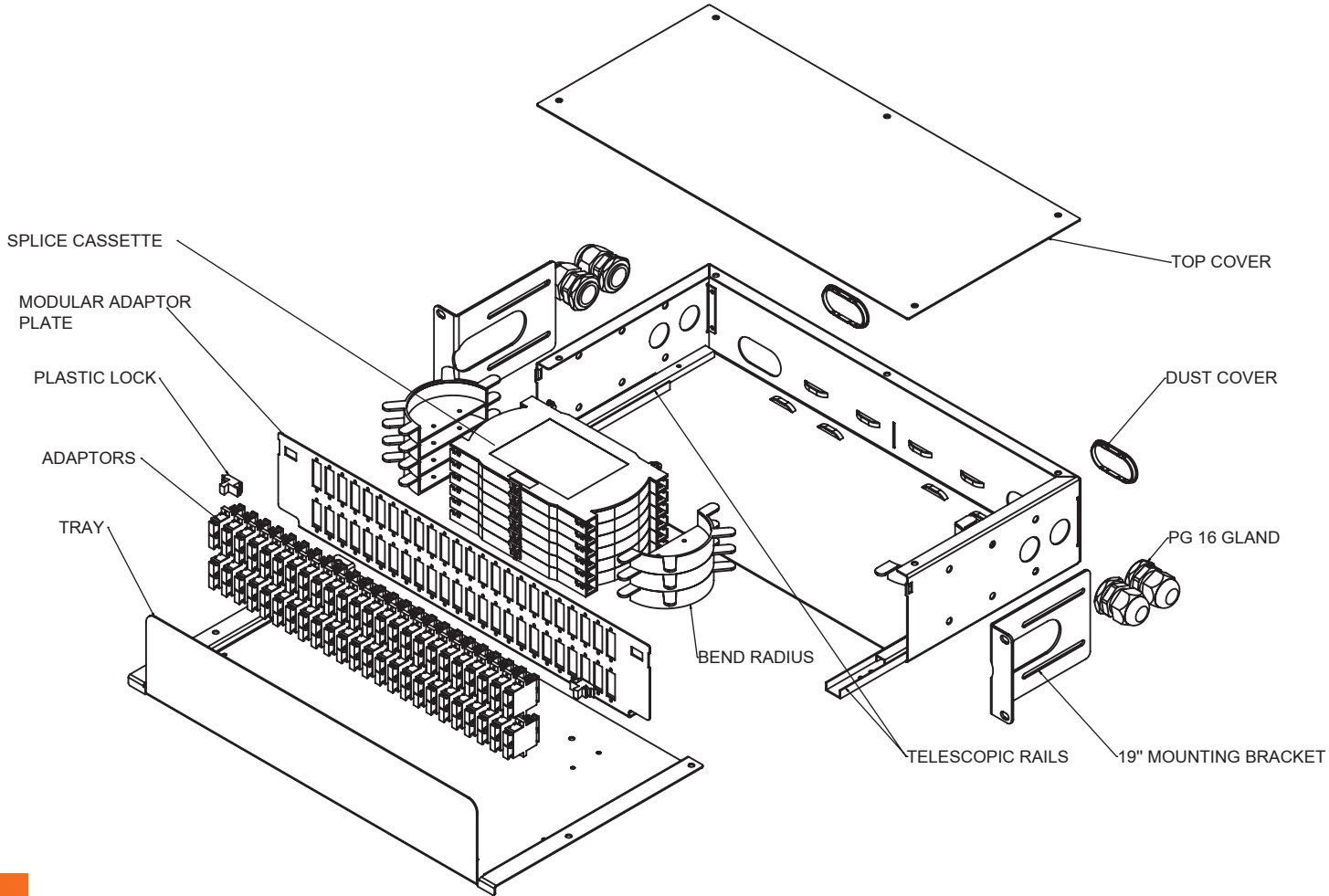


TOP VIEW



ISOMETRIC VIEW

EXPLODED VIEW



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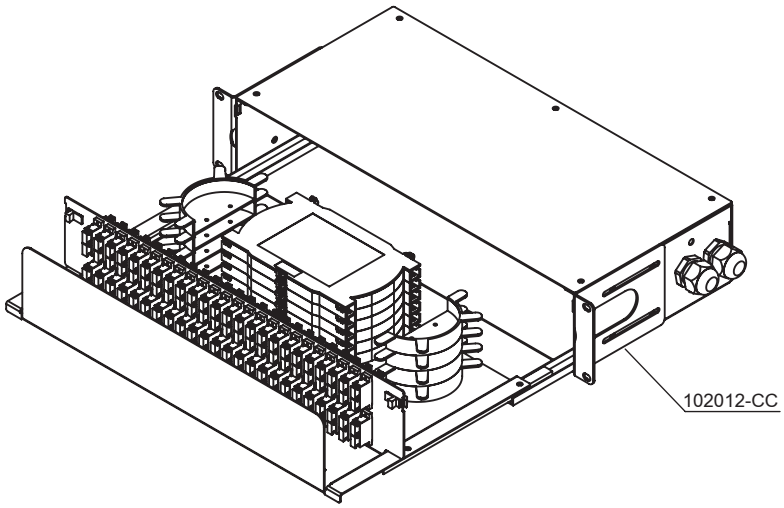
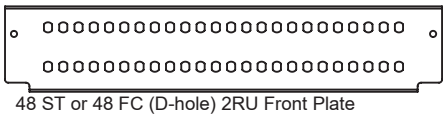
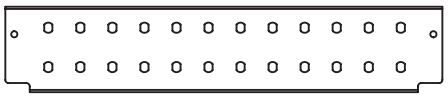
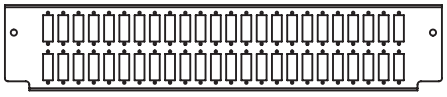
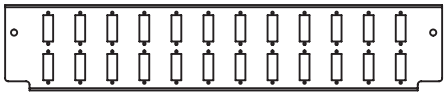
Order No*	Product Definition
102012-CC	RailSystem 2RU Fibre Optic Termination Panel, 19"- Sliding with Telescopic Rails,without front plate, Colour: Black RAL9005 or Light Grey-RAL7035,(2pcs. PG16 Plastic Gland, 2pcs. 50cm Spiral Wrap Ø8mm, 8pcs. Plastic Half Round Spools for Bend Radius 2pcs. Plastic Dust Cover for Cable Entries , 8pcs. 2,5mmX10 Cable Ties)

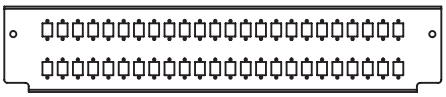


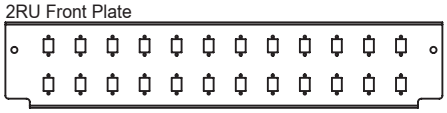

48 ST or 48 FC (D-hole) 2RU Front Plate


24 ST or 24 FC (D-hole) 2RU Front Plate


48 SC Duplex Vertical 2RU Front Plate


24 SC Duplex Vertical 2RU Front Plate


48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex 2RU Front Plate


24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 2RU Front Plate

Order No*	RailSystem 2RU Front Plate Options
102012.01-CC	48 ST or 48 FC (D-hole) 2RU Front Panel
102012.02-CC	24 ST or 24 FC (D-hole) 2RU Front Panel
102012.03-CC	48 SC Duplex Vertical 2RU Front Panel
102012.04-CC	24 SC Duplex Vertical 2RU Front Panel
102012.05-CC	48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex 2RU Front Panel
102012.06-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 2RU Front Panel

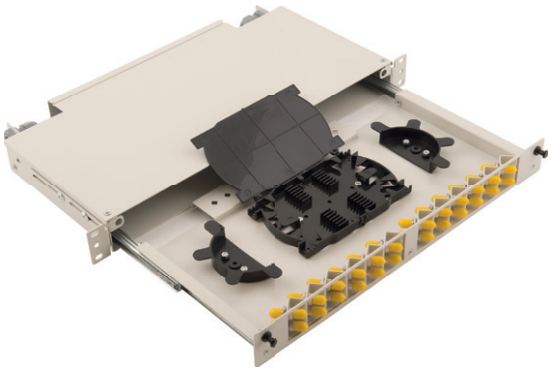
Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

RailSystem Angled

1RU Fiber Termination Patch/Splice Panel

The RailSystem Angled 1RU Fiber Termination Patch/Splice Panel is designed for professional and advanced cable management with 45 degree adaptor interface. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Mounted on telescopic runners to ensure the tray slides in and out with a smooth action. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length. The panel also offers multiple cable entry solutions, up to 2 standard cable entry points for, loose tube, tight buffer, preterminated and steel tape armoured cable. Each panel has integrated strength member tie positions.

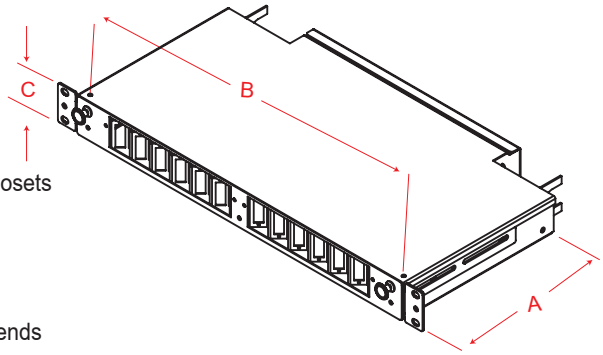


Features

- ✓ Accepts loose tube, distribution and pre terminated cables
- ✓ Up to 24 fibres in 1RU
- ✓ Changeable adaptor plates
- ✓ Pulled-open front pulled-out tray
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

- ✓ Cold Rolled Steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is left/right side



Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks

Dimensions

DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
240	430	44	1	12/24	4 kg

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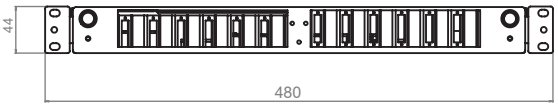
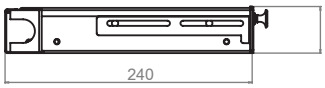
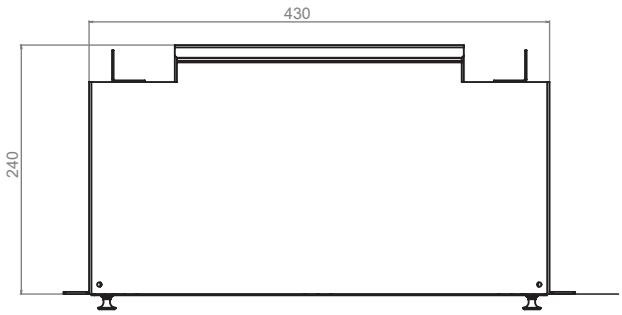


FRONT VIEW

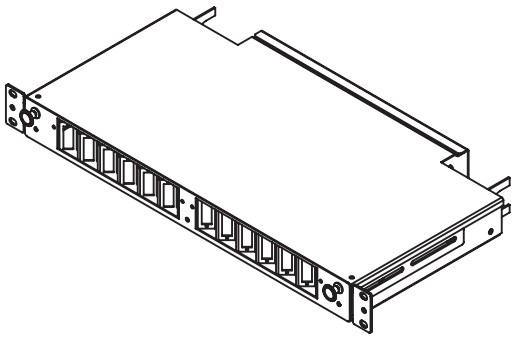


SIDE VIEW

BACK VIEW

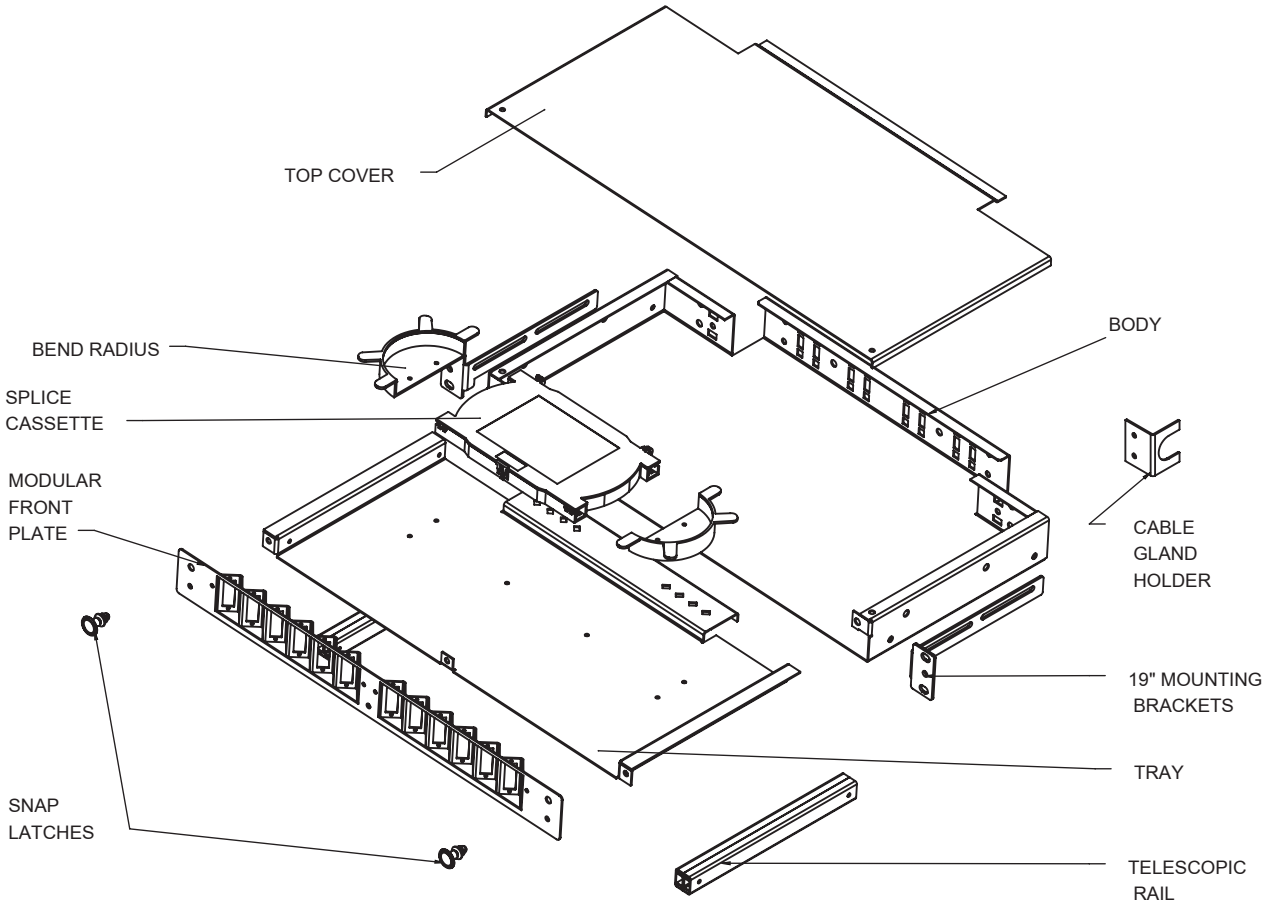


TOP VIEW

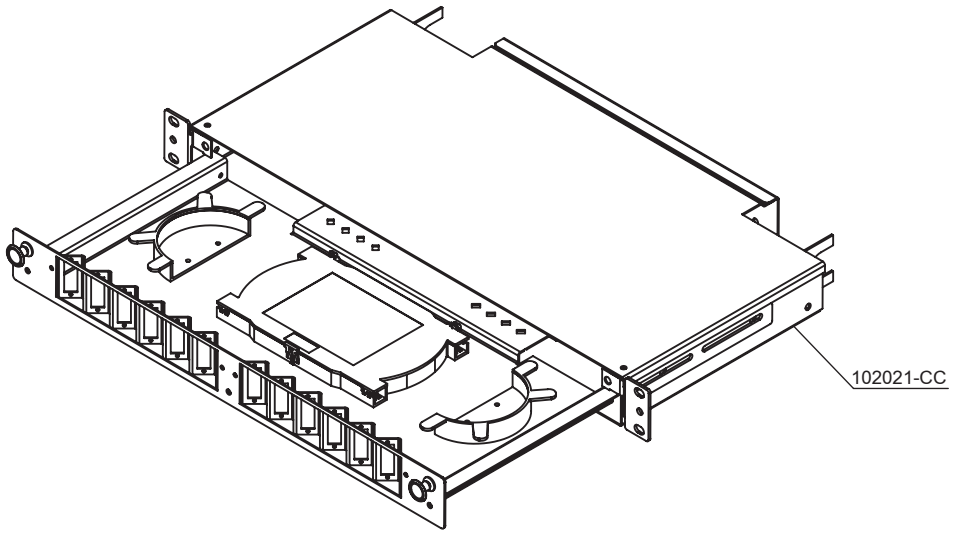


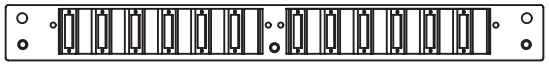
ISOMETRIC VIEW

EXPLODED VIEW

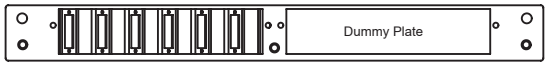


Order No*	Product Definition
102021-CC	RailSystem Angled 1RU Fibre Optic Termination Panel, 19" - Sliding with Telescopic Rails, without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (1pcs. PG16 Plastic Gland, 1pcs. 50 cm Plastic Spiral Tube Ø13mm, 4pcs. 2,5mmX10 Cable Ties, 2pcs. Plastic Snap Latches, 4pcs. Plastic Half Round Spools for Bend Radius)

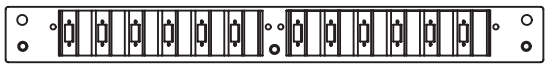




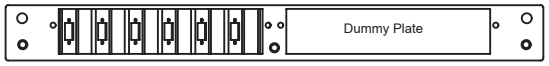
12 SC Duplex Vertical 1RU Angled Front Plate



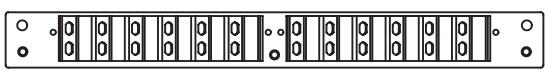
6 SC Duplex Vertical 1RU Angled Front Plate



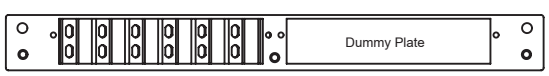
12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex Vertical 1RU Angled Front Plate



6 LC Duplex or 6 E2000 Simplex or 6 SC Simplex Vertical 1RU Angled Front Plate



24 ST or FC (D-hole) 1RU Angled Front Plate



12 ST or FC (D-hole) 1RU Angled Front Plate

Order No*	RailSystem Angled 1RU Front Plate Options
102021.01-CC	12 SC Duplex Vertical 1RU Angled Front Plate
102021.02-CC	6 SC Duplex Vertical 1RU Angled Front Plate
102021.03-CC	12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex 1RU Angled Front Plate
102021.04-CC	6 LC Duplex or 6 E2000 Simplex or 6 SC Simplex 1RU Angled Front Plate
102021.05-CC	24 ST or 24 FC (D-hole) 1RU Angled Front Plate
102021.06-CC	12 ST or 12 FC (D-hole) 1RU Angled Front Plate

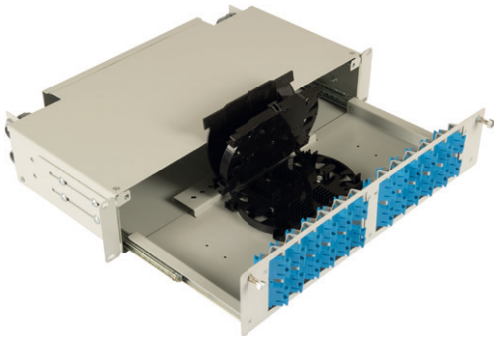
Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

RailSystem Angled

2RU Fiber Termination Patch/Splice Panel

The RailSystem Angled 2RU Fiber Termination Patch/Splice Panel is designed for professional and advanced cable management with 45 degree adaptor interface. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Mounted on telescopic runners to ensure the tray slides in and out with a smooth action. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length. The panel also offers multiple cable entry solutions, up to 2 standard cable entry points for, loose tube, tight buffer, preterminated and steel tape armoured cable. Each panel has integrated strength member tie positions.



Features

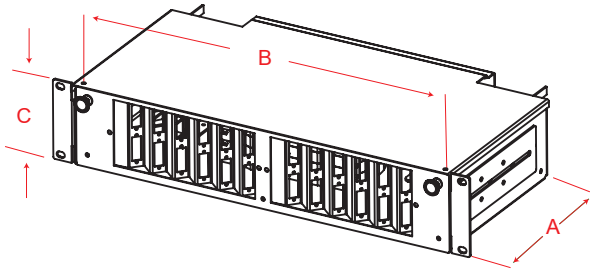
- ✓ Accepts loose tube, distribution and pre terminated cables
- ✓ Up to 48 fibres in 2RU
- ✓ Changeable adaptor plates
- ✓ Pulled-open front pulled-out tray
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

- ✓ Cold Rolled Steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is left/right side

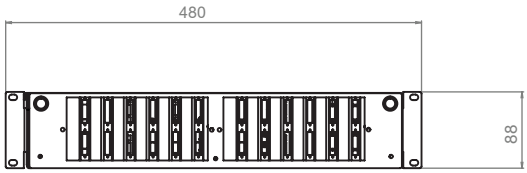
Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks

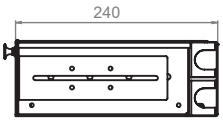


Dimensions

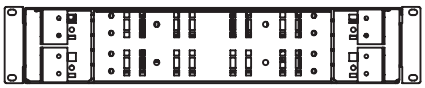
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
240	430	88	2	24/48	4,8 kg



FRONT VIEW

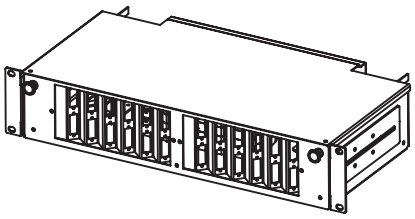


SIDE VIEW



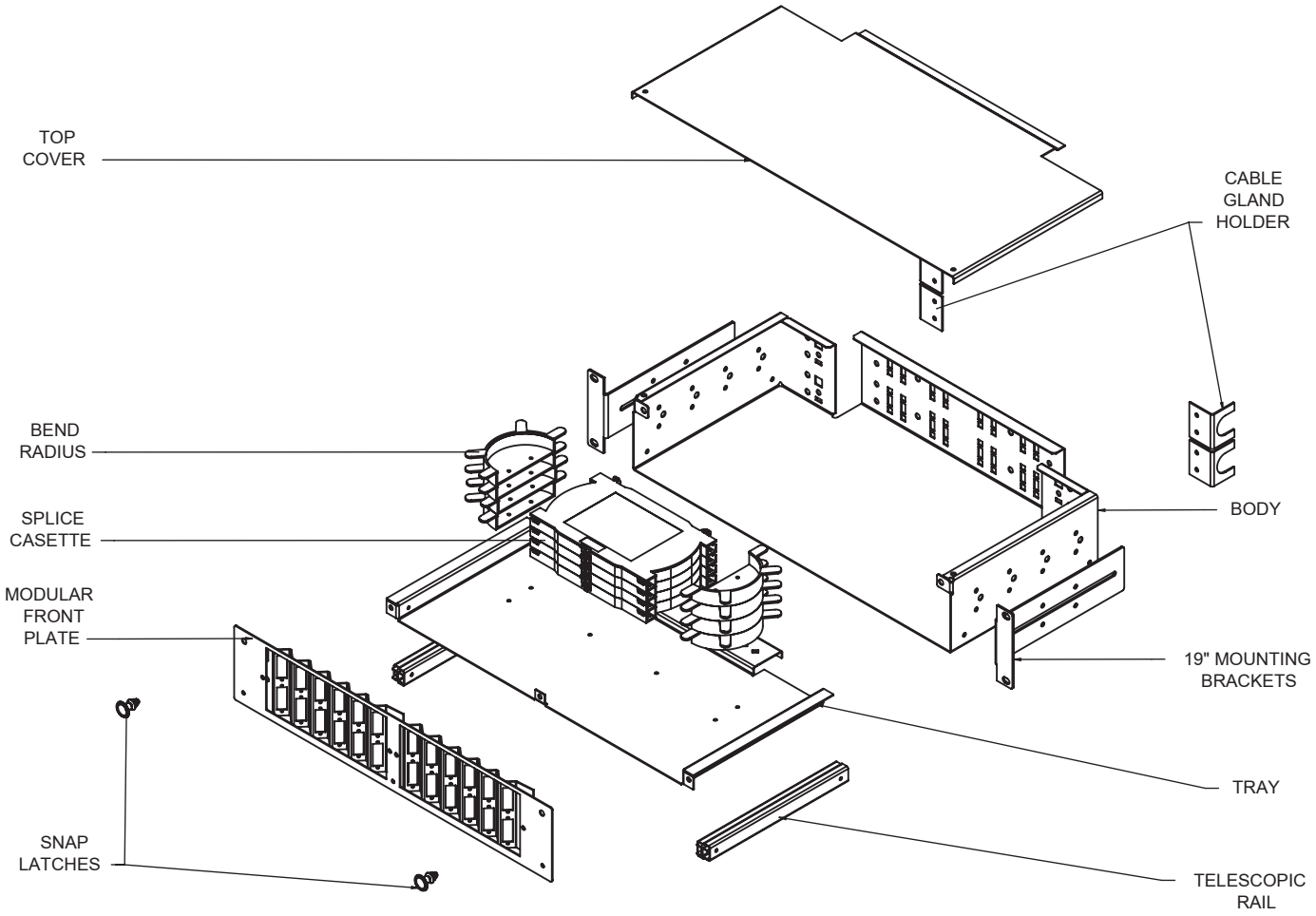
BACK VIEW

TOP VIEW



ISOMETRIC VIEW

EXPLODED VIEW



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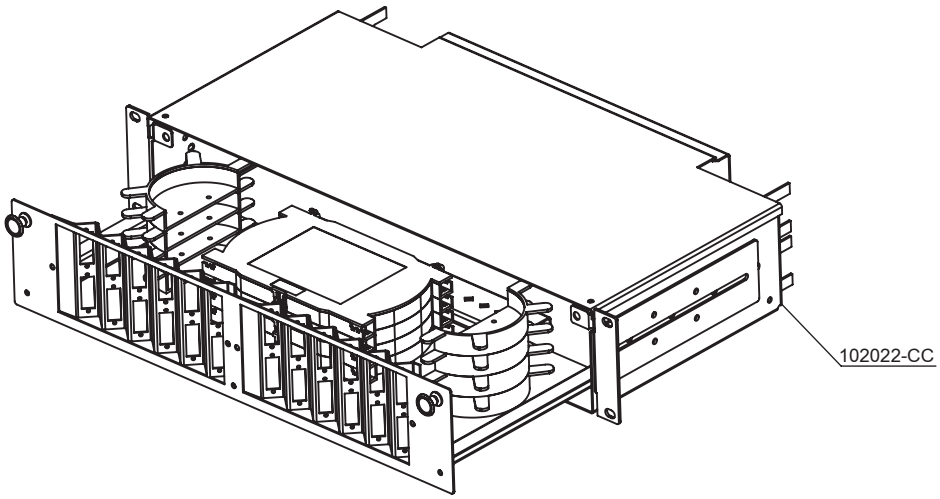
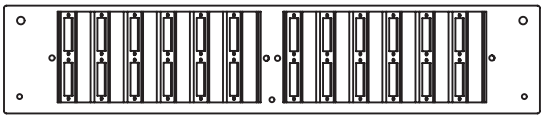
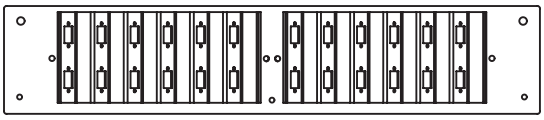
Order No*	Product Definition
102022-CC	RailSystem Angled 2RU Fibre Optic Termination Plate, 19"- Sliding with Telescopic Rails, without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (2pcs. PG16 Plastic Gland, 2pcs. 50 cm Plastic Spiral Tube Ø13mm, 8pcs. 2,5mmX10 Cable Ties, 2pcs. Plastic Snap Latches, 8pcs. Plastic Half Round Spools for Bend Radius)

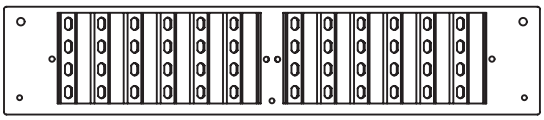




24 SC Duplex Vertical 2RU Angled Front Plate



24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex Vertical 2RU Angled Front Plate



48 ST of 48 FC (D-hole) Vertical 2RU Angled Front Plate

Order No*	RailSystem Angled Front Plate Options
102022.01-CC	24 SC Duplex Vertical 2RU Angled Front Plate
102022.02-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 2RU Angled Front Plate
102022.03-CC	48 ST or 48 FC (D-hole) 2RU Angled Front Plate

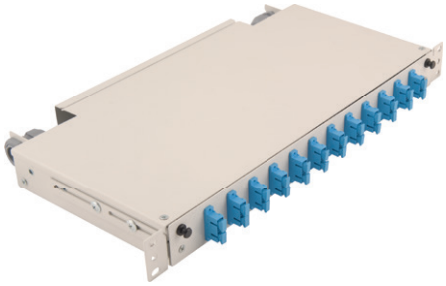
Ordering Information

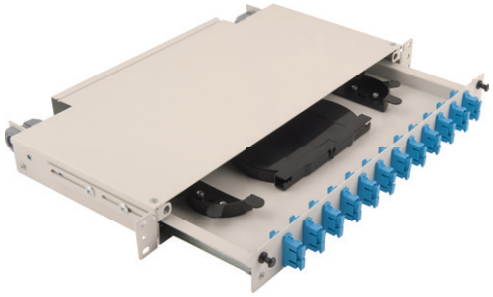
* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering

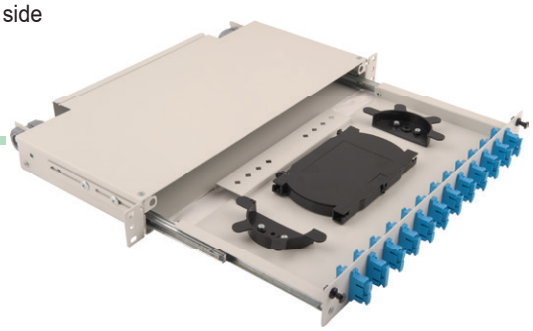
RailSlide

1RU Fiber Termination Patch/Splice Panel

The RailSlide1RU Fiber Termination Patch/Splice Panel is designed for use as a rack mount interconnect point where termination and connectivity of up to 48 fibers is desired. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Mounted on telescopic runners to ensure the tray slides in and out with a smooth action. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length. The panel also offers multiple cable entry solutions, up to 2 standard cable entry points for, loose tube, tight buffer, preterminated and steel tape armoured cable. Each panel has integrated strength member tie positions.





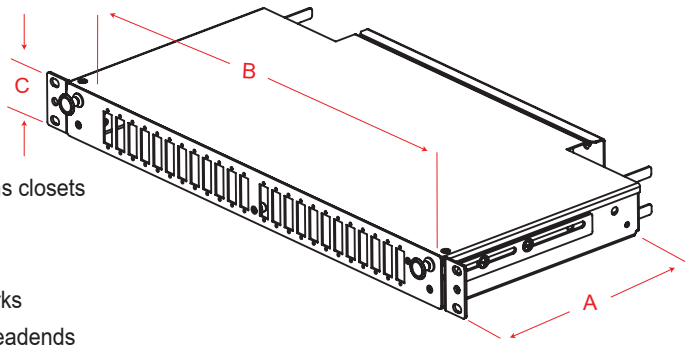


Features

- ✓ Accepts loose tube, distribution and pre terminated cables
- ✓ Changeable adaptor plates
- ✓ Snap Latches for fixing the tray
- ✓ Pulled-open front pulled-out tray
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

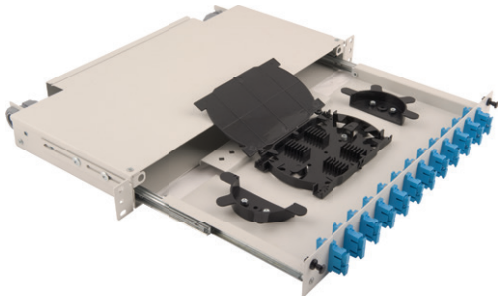
Specifications

- ✓ Cold Rolled Steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is left/right side



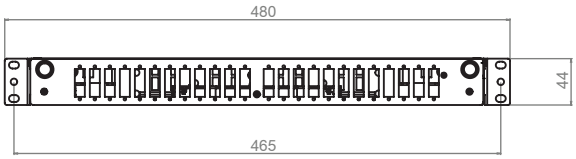
Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks

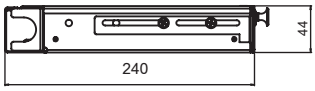


Dimensions

DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
240	430	44	1	24/48	3,5 kg

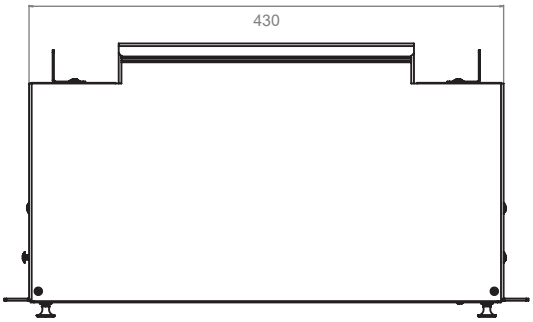


FRONT VIEW

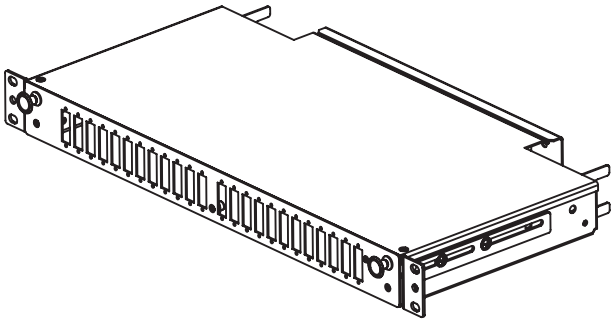


SIDE VIEW

BACK VIEW

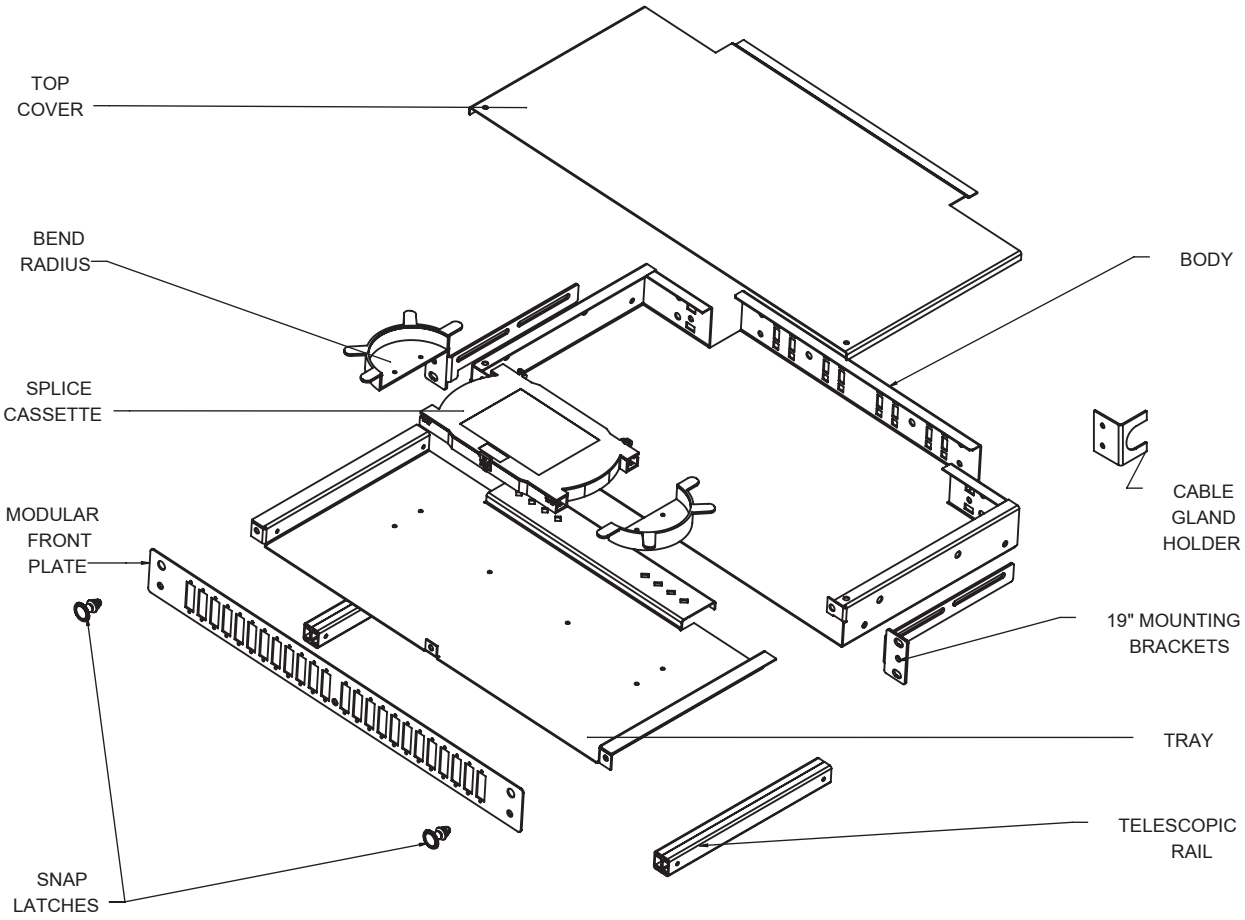


TOP VIEW

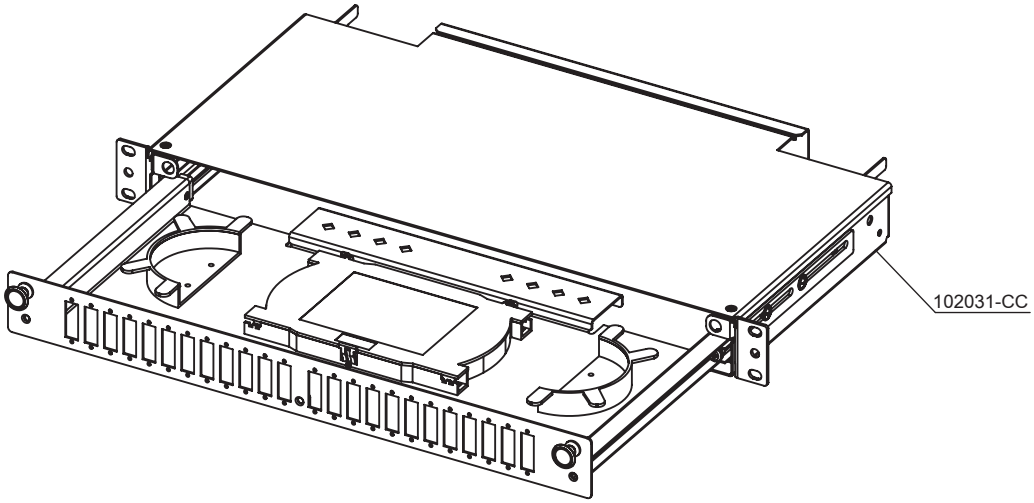


ISOMETRIC VIEW

EXPLODED VIEW

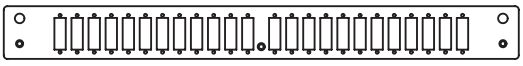


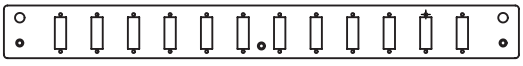
Order No*	Product Definition
102031-CC	RailSlide 1RU Fibre Optic Termination Panel, 19" - Sliding with Telescopic Rails, without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (1pcs. PG16 Plastic Gland, 1 ea. 50 cm Plastic Spiral Tube Ø13mm, 4pcs. 2,5mmX10 Cable Ties, 2pcs. Plastic Snap Latches, 4pcs. Plastic Half Round Spools for Bend Radius)

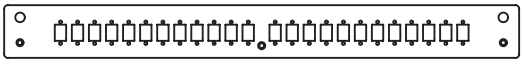


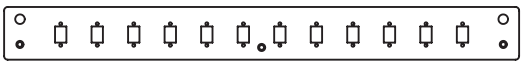
24 ST or FC (D-Hole) 1RU Front Plate

12 ST or FC (D-Hole) 1RU Front Plate


24 SC Duplex Vertical 1RU Front Plate


12 SC Duplex Vertical 1RU Front Plate


24 LC Duplex or 24 E2000 or 24 SC Simplex Vertical 1RU Front Plate


12 LC Duplex or 12 E2000 or 12 SC Simplex Vertical 1RU Front Plate

Order No*	RailSlide 1RU Front Plate Options
102031.01-CC	24 ST or 24 LC (D-hole) 1RU Front Plate
102031.02-CC	12 ST or 12 LC (D-hole) 1RU Front Plate
102031.03-CC	24 SC Duplex Vertical 1RU Front Plate
102031.04-CC	12 SC Duplex Vertical 1RU Front Plate
102031.05-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 1RU Front Plate
102031.06-CC	12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex 1U Front Plate

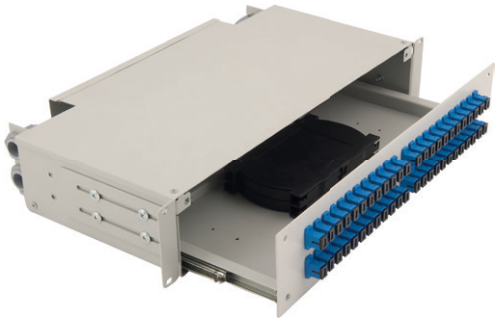
Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

RailSlide

2RU Fiber Termination Patch/Splice Panel

The RailSlide 2RU Fiber Termination Patch/Splice Panel is designed for use as a rack mount interconnect point where termination and connectivity of up to 96 fibers is desired. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being pulled out. Mounted on telescopic runners to ensure the tray slides in and out with a smooth action. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length. The panel also offers multiple cable entry solutions, up to 4 standard cable entry points for, loose tube, tight buffer, preterminated and steel tape armoured cable. Each panel has integrated strength member tie positions.

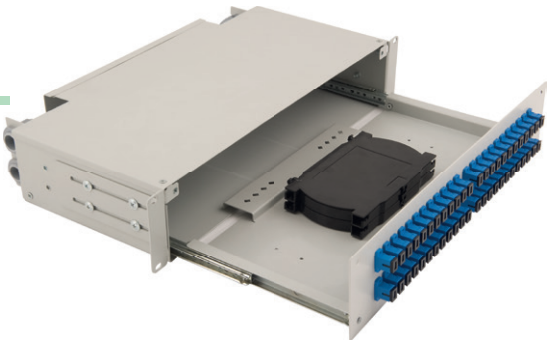


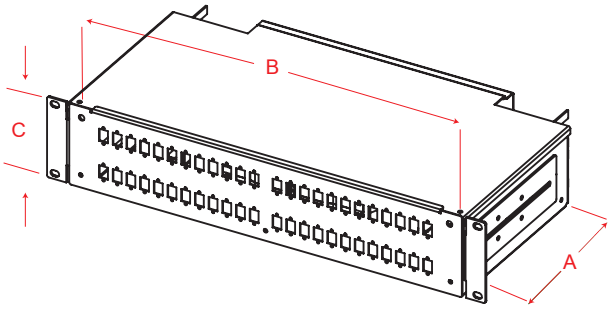
Features

- ✓ Accepts loose tube, distribution and pre terminated cables
- ✓ Changeable adaptor panels
- ✓ Snap Latches for fixing the tray
- ✓ Pulled-open front pulled-out tray
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

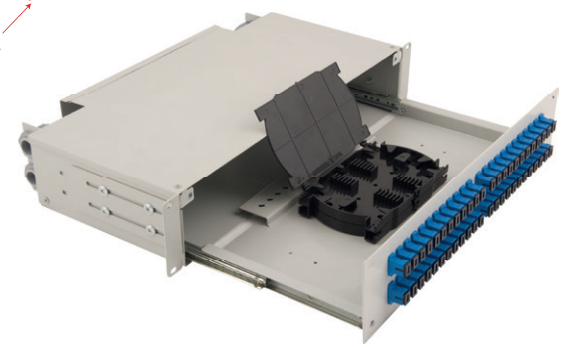
- ✓ Cold Rolled Steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is left/right side





Applications

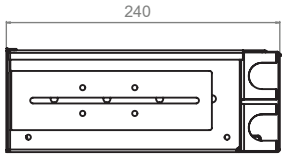
- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks



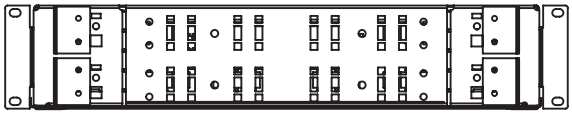
Dimensions

DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
240	430	88	2	48/96	4,2 kg

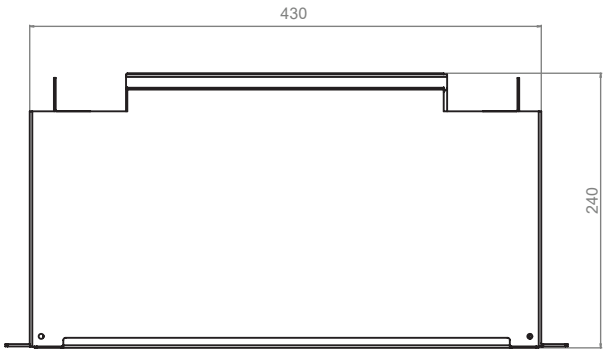
FRONT VIEW



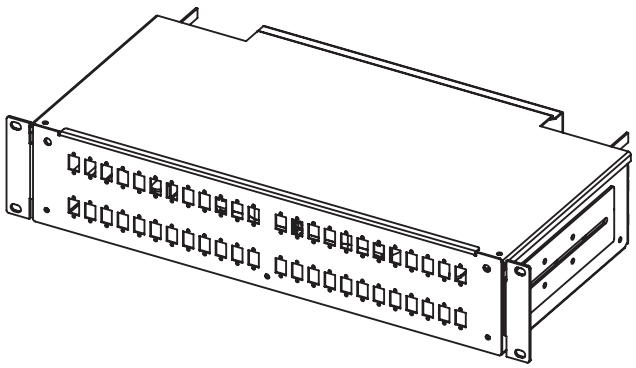
SIDE VIEW



BACK VIEW

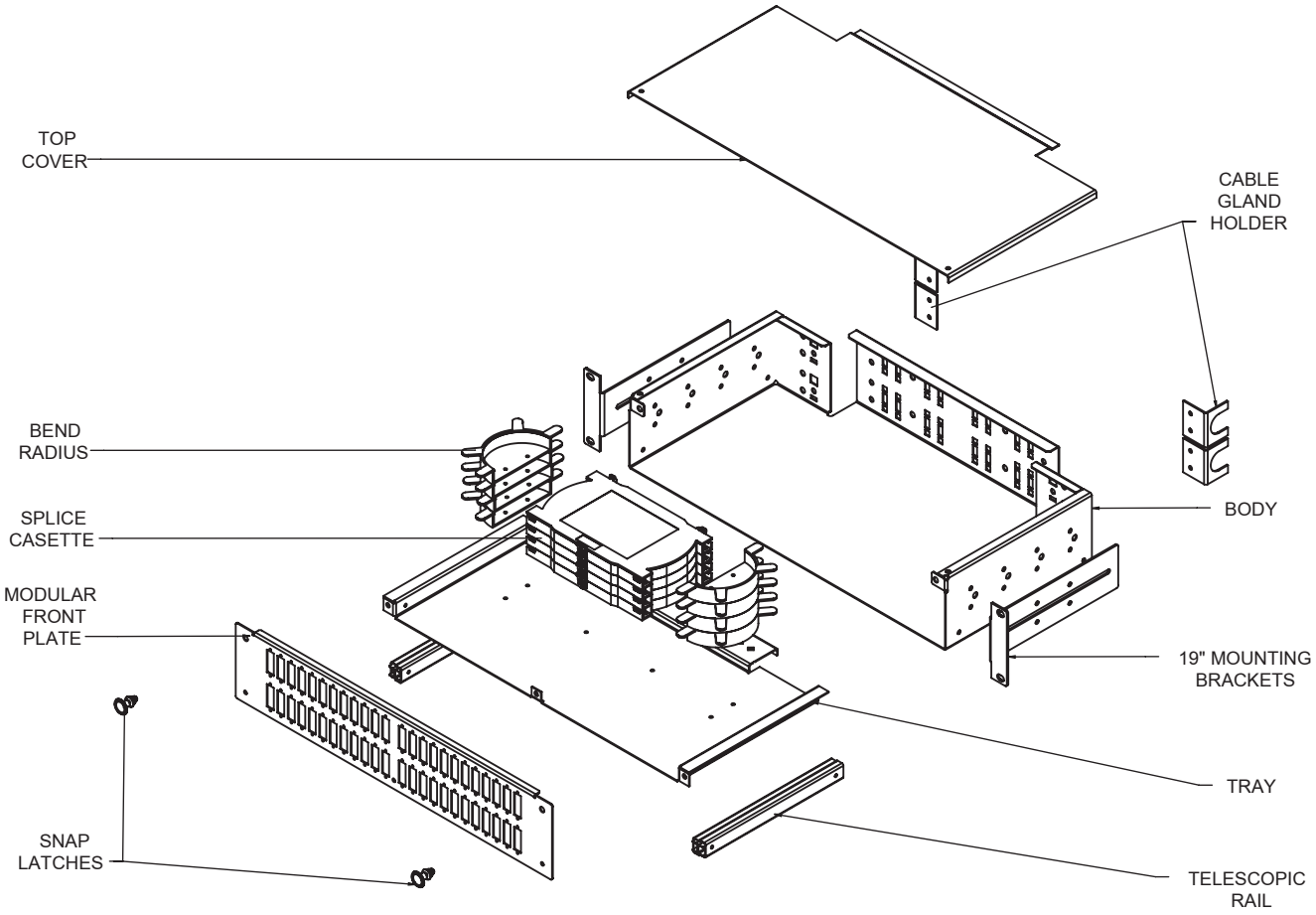


TOP VIEW



ISOMETRIC VIEW

EXPLODED VIEW



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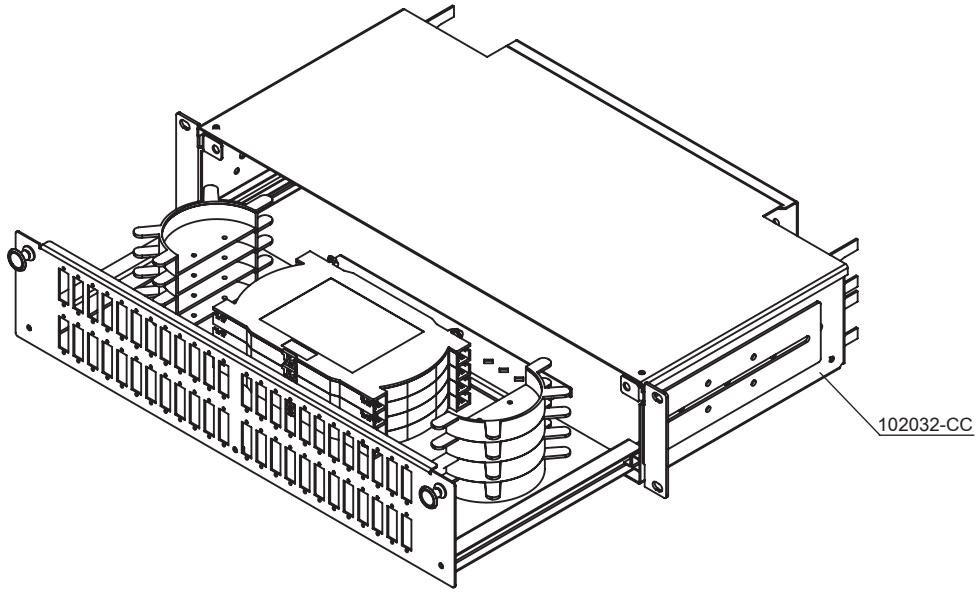
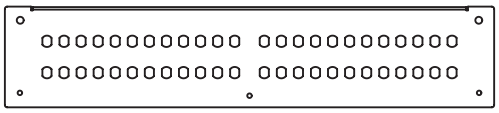
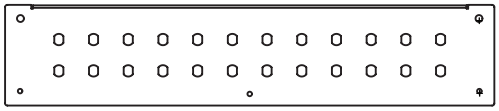
Order No*	Product Definition
102032-CC	RailSlide 2RU Fibre Optic Termination Panel,19"- Sliding with Telescopic Rails, without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (2pcs. PG16 Plastic Gland, 2pcs. 50 cm Plastic Spiral Tube Ø13mm, 8pcs. 2,5mmX10 Cable Ties, 2pcs. Plastic Snap Latches, 8pcs. Plastic Half Round Spools for Bend Radius)

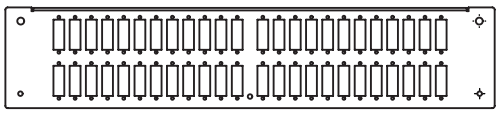




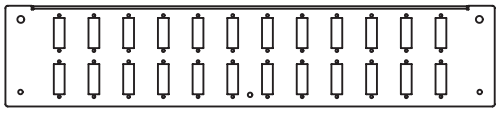
48 ST or 48 FC (D-Hole) 2RU Front Plate



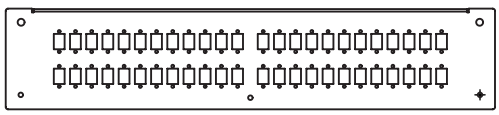
24 ST or 24 FC (D-Hole) 2RU Front Plate



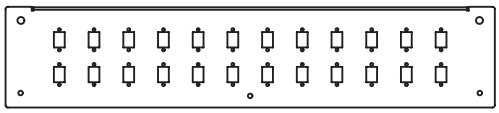
48 SC Duplex Vertical 2RU Front Plate



24 SC Duplex Vertical 2RU Front Plate



48 LC Duplex or 48 E2000 or 48 SC Simplex Vertical 2RU Front Plate



24 LC Duplex or 24 E2000 or 24 SC Simplex Vertical 2RU Front Plate

Order No*	RailSlide 2RU Front Plate Options
102032.01-CC	48 ST or 48 FC (D-hole) 2RU Front Plate
102032.02-CC	24 ST or 24 FC (D-hole) 2RU Front Plate
102032.03-CC	48 SC Duplex Vertical 2RU Front Plate
102032.04-CC	24 SC Duplex Vertical 2RU Front Plate
102032.05-CC	48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex 2RU Front Plate
102032.06-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 2RU Front Plate

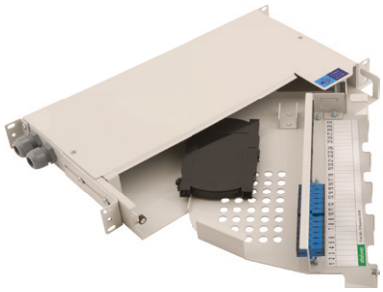
Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

PivotSystem

1RU Fiber Termination Patch/Splice Panel

The PivotSystem1RU Fiber Termination Patch/Splice Panel is designed for use as a rack mount interconnect point where termination and connectivity of up to 48 fibers is desired. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being swing out. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length.

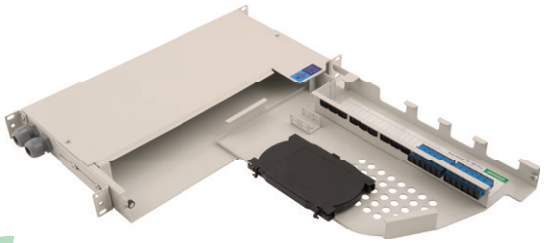


Features

- ✓ Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- ✓ Most common connector styles and types available
- ✓ Compatible with industry standard equipment frames
- ✓ Modular design
- ✓ Swing-open front swing-out tray
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

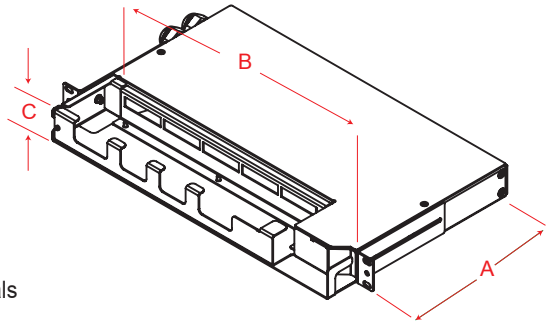
Specifications

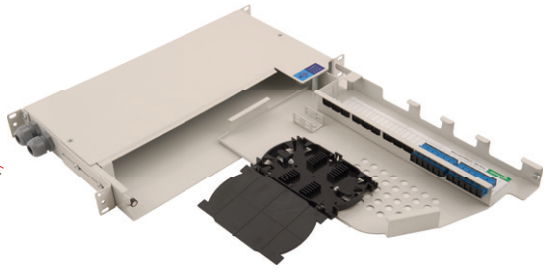
- ✓ Aluminum Construction per ASTMB209
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Standard density: up to 24 fiber, High density: up to 48 fiber
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is leftside
- ✓ Optional cable stub location s is rear



Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks





Dimensions

DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
280	430	44	1	24/48	1,7 kg

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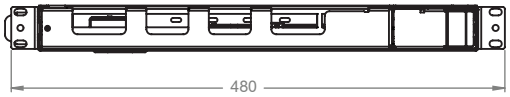
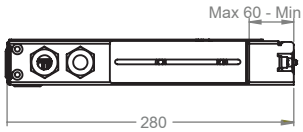
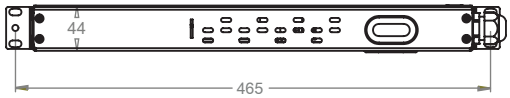


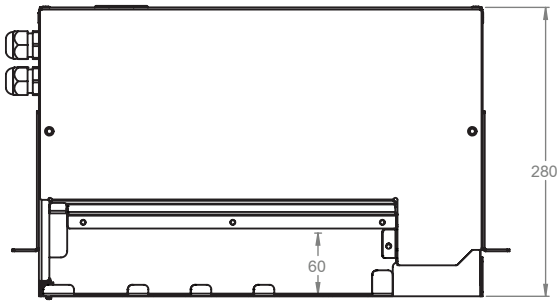
FRONT VIEW



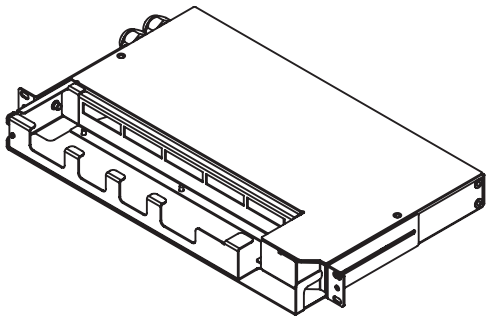
SIDE VIEW



BACK VIEW

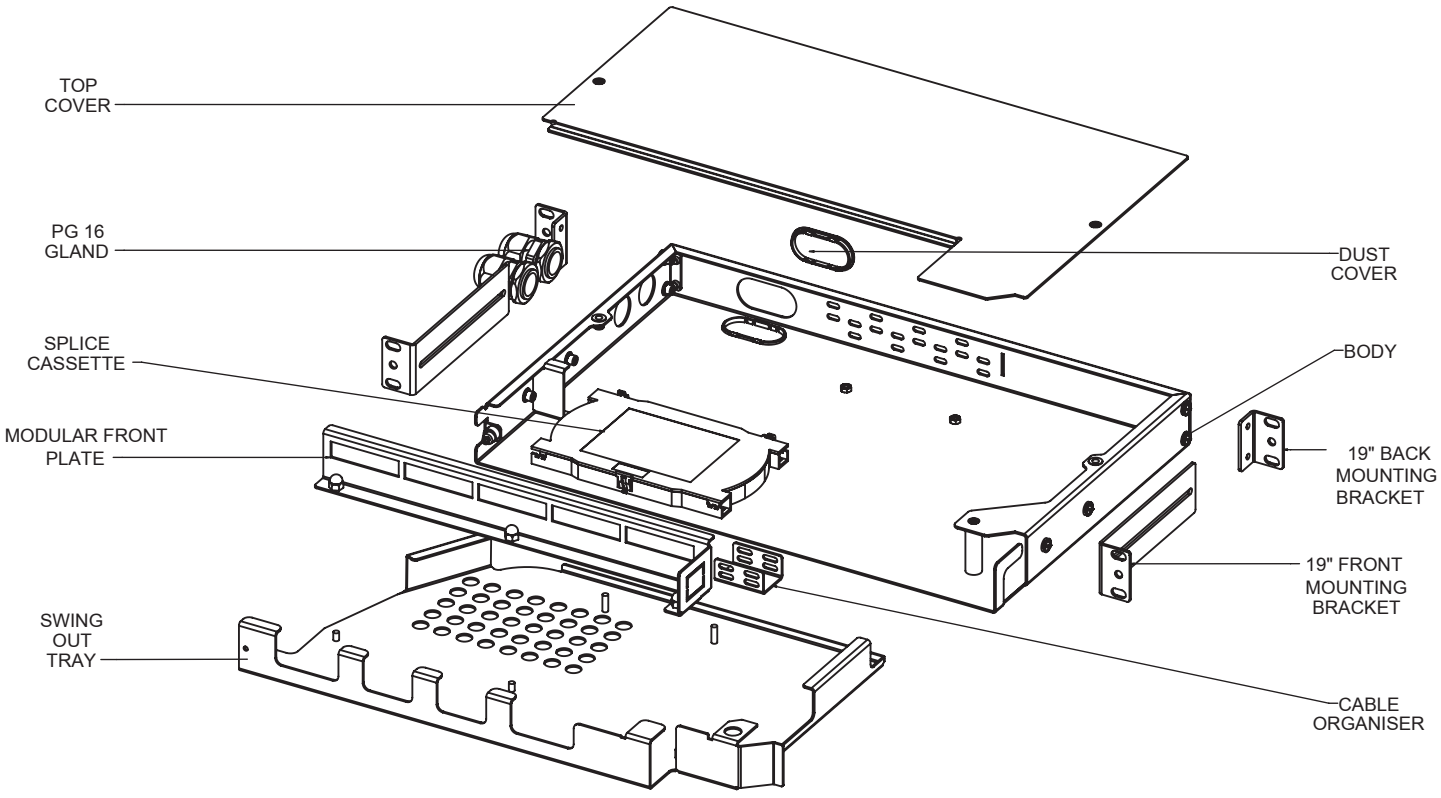


TOP VIEW

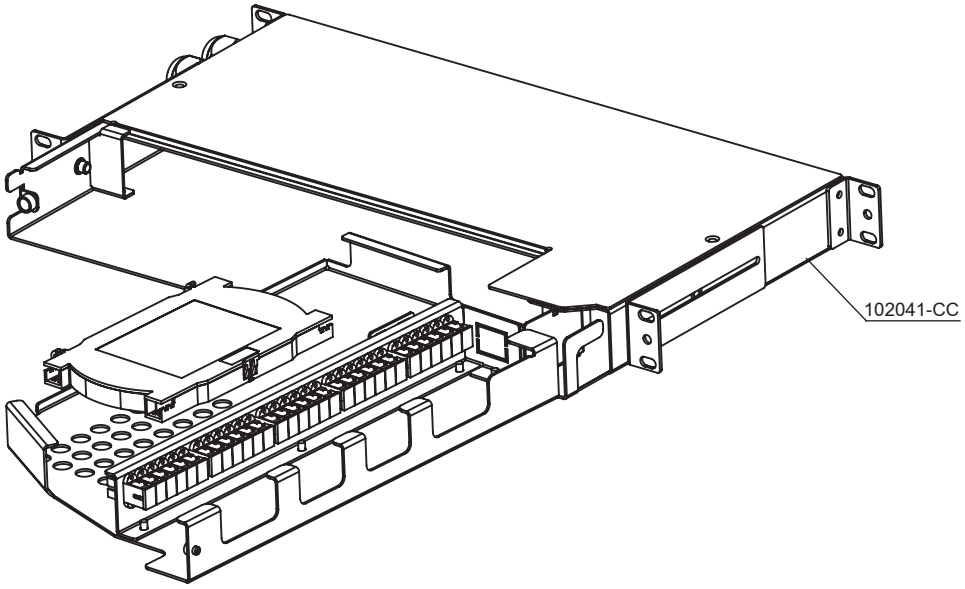


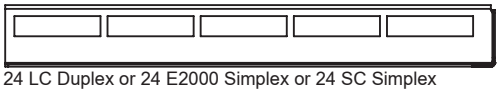
ISOMETRIC VIEW

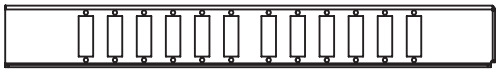
EXPLODED VIEW

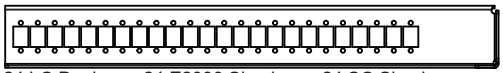


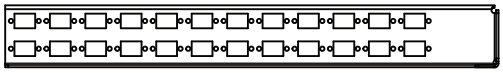
Order No*	Product Definition
102041-CC	PivotSystem 1RU Fibre Optic Termination Panel,19" - Pivot Type without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (2pcs. PG16 Plastic Gland, 1pcs. 50 cm Plastic Spiral Tube Ø8mm, 2pcs. Plastic Dust Cover for Cable Entries 2pcs. Adhesive Bunny Clips, 4pcs. 2,5mmX10 Cable Ties)

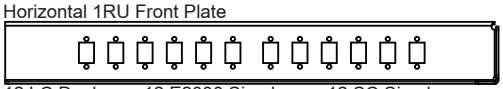


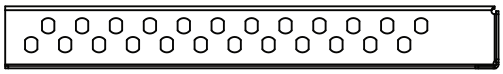

24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 1RU Front Plate


12 SC Duplex Vertical 1RU Front Plate


24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex Vertical 1RU Front Plate


24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex Horizontal 1RU Front Plate


12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex 1RU Front Plate


24 ST or 24 FC (D-Hole) 1RU Front Plate

12 ST or 12 FC (D-Hole) 1RU Front Plate

Order No*	PivotSystem 1RU Front Plate Options
102041.01-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 1RU Front Plate
102041.02-CC	12 SC Duplex Vertical 1RU Front Plate
102041.03-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex Vertical 1RU Front Plate
102041.04-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex Horizontal 1RU Front Plate
102041.05-CC	12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex 1RU Front Plate
102041.06-CC	24 ST or 24 FC (D-Hole) 1RU Front Plate
102041.07-CC	12 ST or 12 FC (D-Hole) 1RU Front Plate

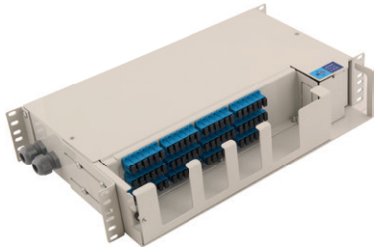
Ordering Information

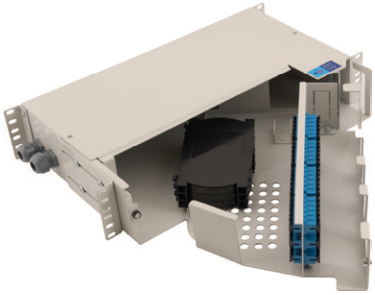
* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering

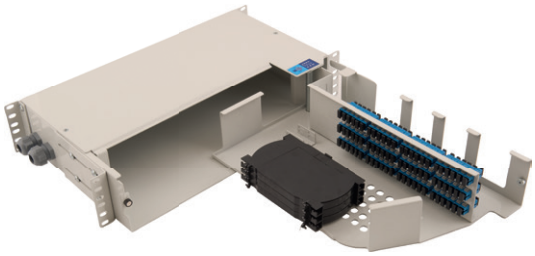
PivotSystem

2RU Fiber Termination Patch/Splice Panel

The PivotSystem 2RU Fiber Termination Patch/Splice Panel is designed for use as a rack mount interconnect point where termination and connectivity of up to 144 fibers is desired. This solution allows for easy access to the front patch cords as well as the splice trays and pigtails after being swing out. Standard panels are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length.







Features

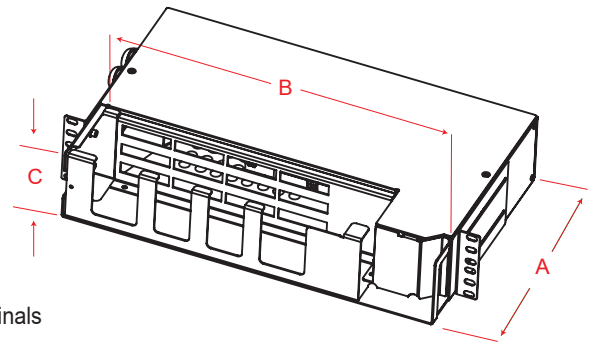
- ✓ Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- ✓ Most common connector styles and types available
- ✓ Compatible with industry standard equipment frames
- ✓ Modular design
- ✓ Swing-open front swing-out tray
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

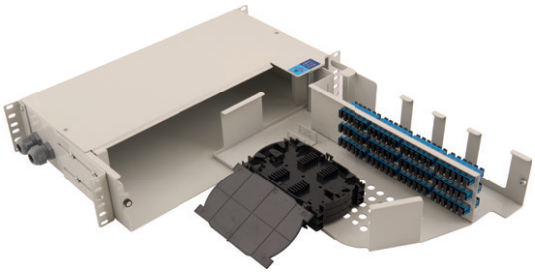
Specifications

- ✓ Aluminum Construction per ASTMB209
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Standard density: up to 72 fiber, High density: up to 144 fiber
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is leftside
- ✓ Optional cable stub location s is rear

Applications

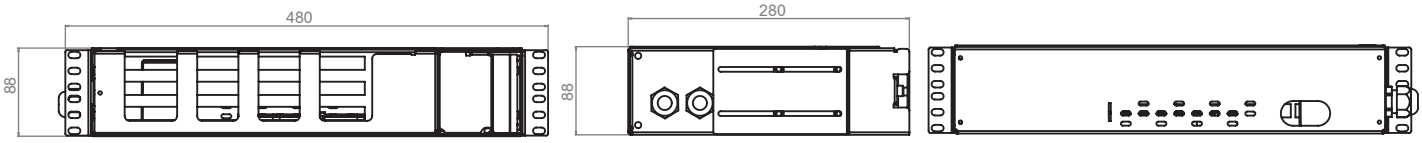
- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks



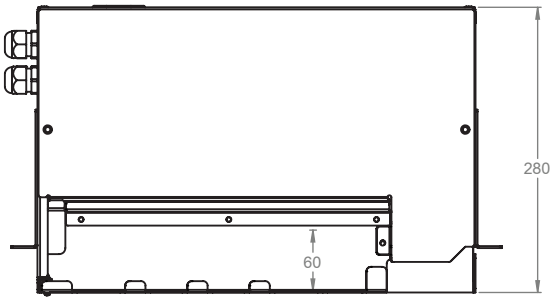


Dimensions

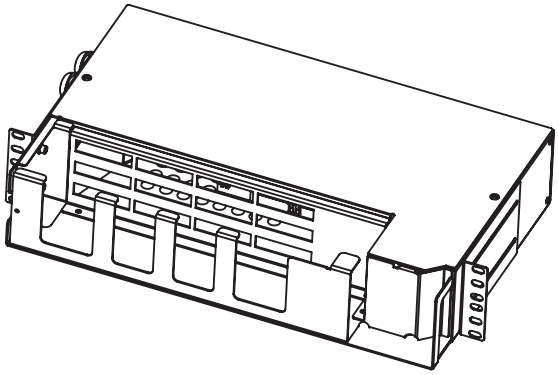
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
280	430	88	2	48/96/144	2 kg



FRONT VIEW SIDE VIEW BACK VIEW

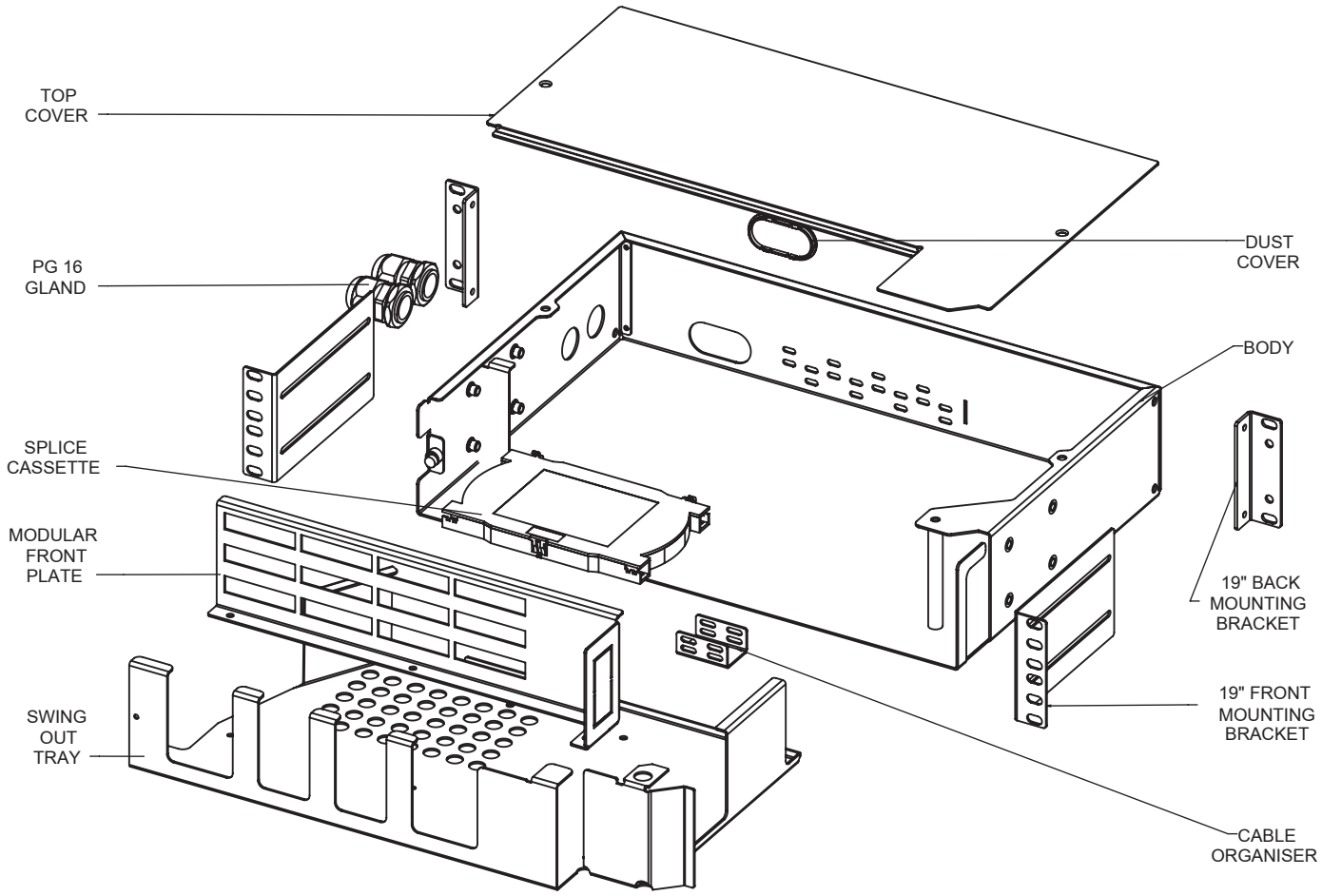


TOP VIEW



ISOMETRIC VIEW

EXPLODED VIEW



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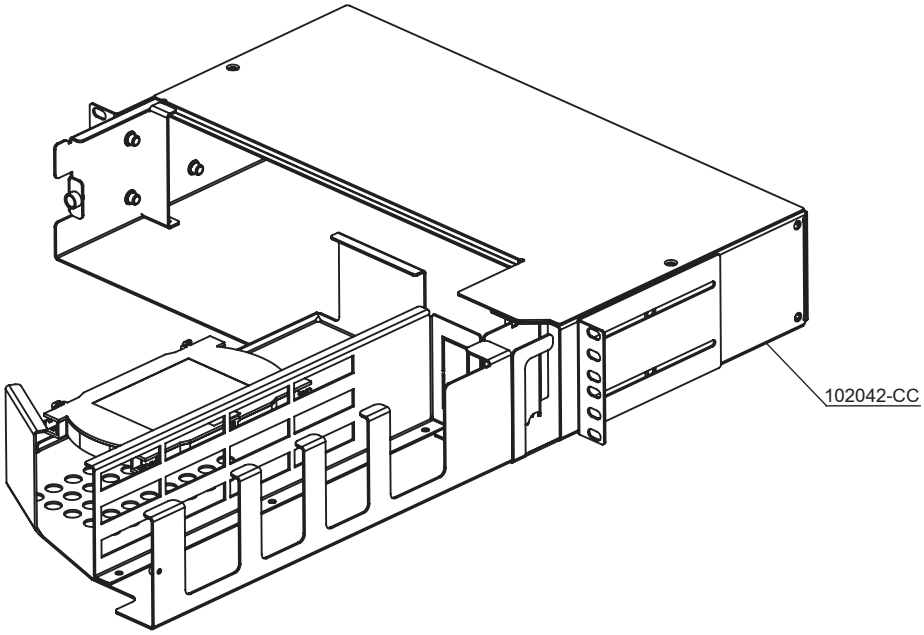
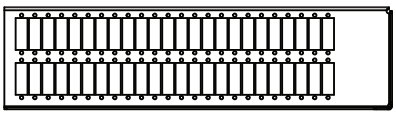
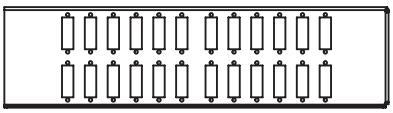
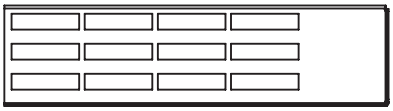
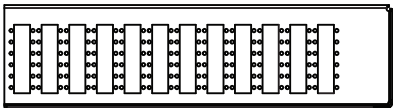
Order No*	Product Definition
102042-CC	PivotSystem 2RU Fibre Optic Termination Panel,19" - Pivot Type without front plate, Colour: Black-RAL9005 or Light Grey RAL7035, (2pcs. PG16 Plastic Gland, 1pcs. 50 cm Plastic Spiral Tube Ø8mm, 1pcs. Plastic Dust Cover for Cable Entries 2pcs. Adhesive Bunny Clips, 4pcs. 2,5mmX10 Cable Ties)

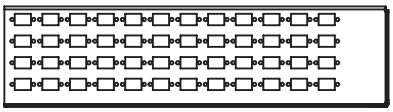


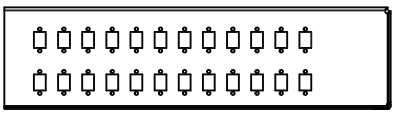

48 SC Duplex Vertical 2RU Front Plate

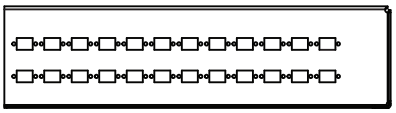

24 SC Duplex Vertical 2RU Front Plate

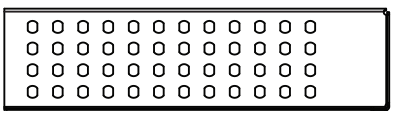

72 LC Duplex or 72 E2000 or 72 SC Simplex 2RU Front Plate

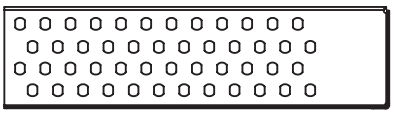

72 LC Duplex or 72 E2000 or 72 SC Simplex Horizontal 2RU Front Plate


48 LC Duplex or 48 E2000 or 48 SC Simplex Horizontal 2RU Front Plate


24 LC Duplex or 24 E2000 or 24 SC Simplex Vertical 2RU Front Plate


24 LC Duplex or 24 E2000 or 24 SC Simplex Horizontal 2RU Front Plate


48 ST or 48 FC (D-hole) 2RU Front Plate


48 ST or 48 FC (D-hole) Horizontally Shifted 2RU Front Plate

Order No*	PivotSystem 2RU Front Plate Options
102042.01-CC	48 SC Duplex Vertical 2RU Front Plate
102042.02-CC	24 SC Duplex Vertical 2RU Front Plate
102042.03-CC	72 LC Duplex or 72 E2000 or 72 SC Simplex 2RU Front Plate
102042.04-CC	72 LC Duplex or 72 E2000 or 72 SC Simplex Horizontal 2RU Front Plate
102042.05-CC	48 LC Duplex or 48 E2000 or 48 SC Simplex Horizontal 2RU Front Plate
102042.06-CC	24 LC Duplex or 24 E2000 or 24 SC Simplex Vertical 2RU Front Plate
102042.07-CC	24 LC Duplex or 24 E2000 or 24 SC Simplex Horizontal 2RU Front Plate
102042.08-CC	48 ST or 48 FC (D-hole) 2RU Front Plate
102042.09-CC	48 ST or 48 FC (D-hole) Horizontally Shifted 2RU Front Plate

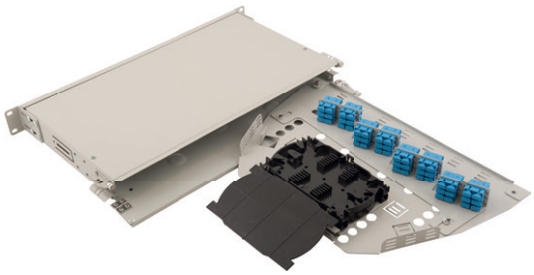
Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering

SwingSystem

1RU Fiber Termination Patch/Splice Panel

Alfafonet offers an innovative, high density swing panel has been designed to accept up to 48 fibres housed within a 1RU space. The tray fully manages the incoming fibres, pigtails and splices. The panel can swing by up to 120° to allow easy access during installation or rework with no disturbance of the existing cable or fibres. Angled adaptors route exiting patch cords directly into the cabinet side management. The panel can be assembled to swing in either direction, facilitating cable entry from either side.

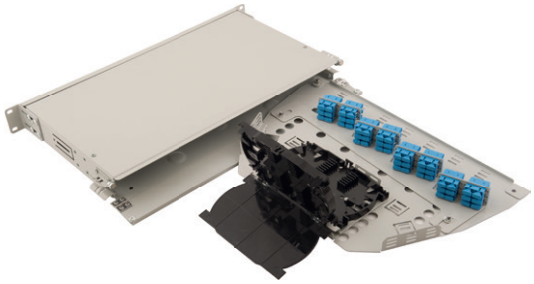


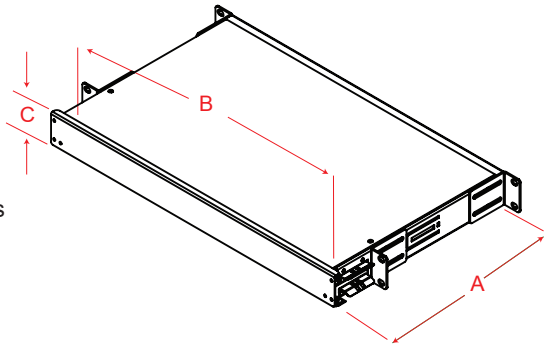
Features

- ✓ Swing tray gives full access to adaptors and fibres whilst managing incoming cable length
- ✓ Angled adaptor plates direct patch cords to side management behind openable front label plate
- ✓ Suitable for up to 4 incoming cables
- ✓ Tray can be assembly left or right handed, and recessed or set forward to accommodate different racks
- ✓ Accepts loose tube, distribution and pre-terminated cables.
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

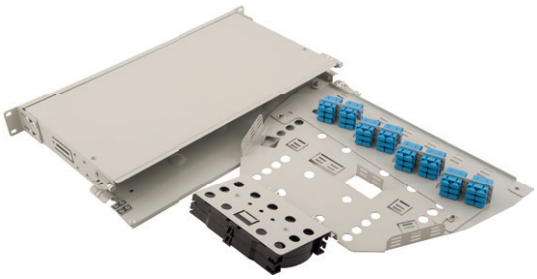
- ✓ Cold rolled steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Standard density: up to 24 fiber, High density: up to 48 fiber
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is leftside
- ✓ Optional cable stub location is rear





Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals



Dimensions

DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
280	430	44	1	24/36/48	4,2 kg

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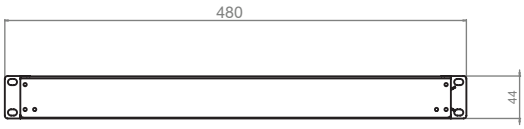
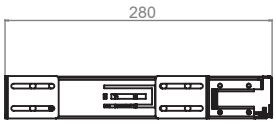
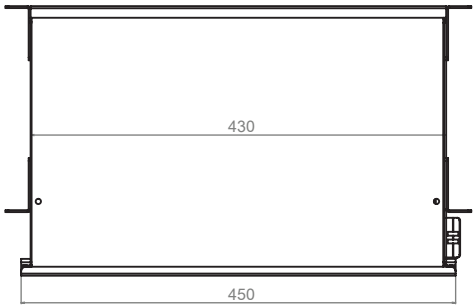


FRONT VIEW

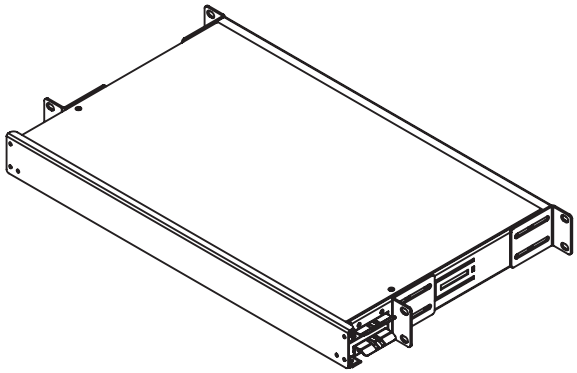


SIDE VIEW

BACK VIEW

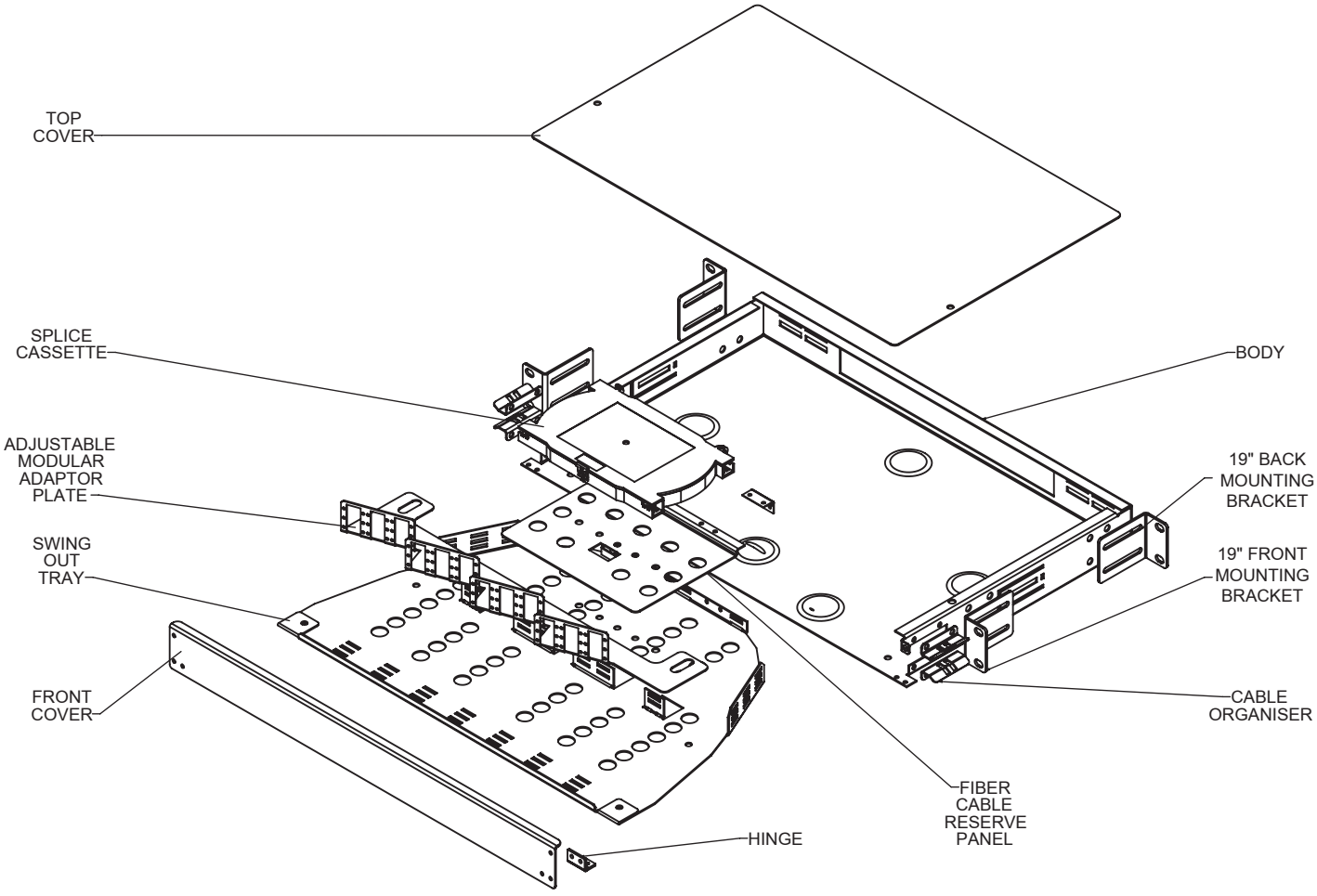


TOP VIEW

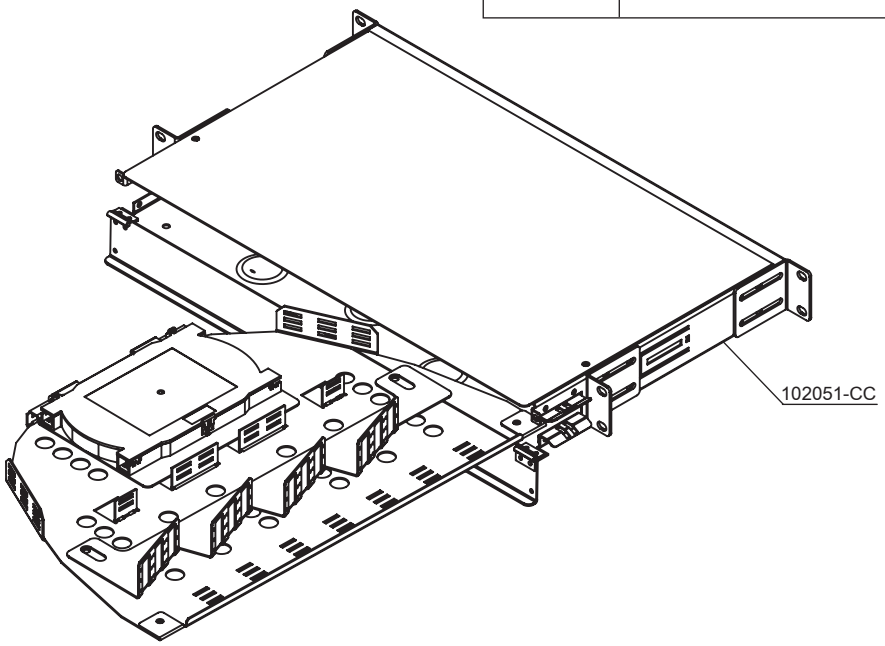


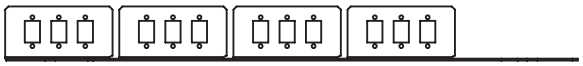
ISOMETRIC VIEW

EXPLODED VIEW

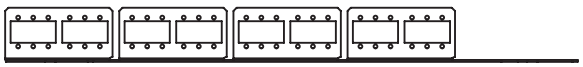


Order No*	Product Definition
102051-CC	SwingSystem 1RU Fibre Optic Termination Panel,19" Rotatable Swing Type without front plate, Colour: Black-RAL 9005 or Light Grey-RAL7035, (1pcs. 50 cm Plastic Spiral Tube Ø13mm, 2pcs. Adhesive Bunny Clips, 4pcs. 2,5mmX10 Cable Ties)

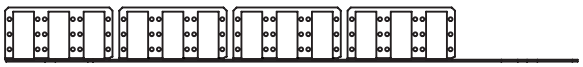




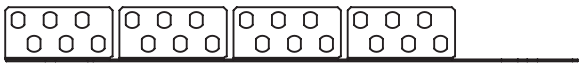
12 LC Duplex or 12 E2000 or 12 SC Simplex 1RU Angled Front Plate



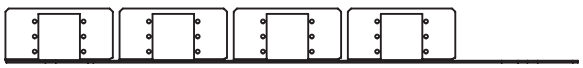
24 LC Duplex or 24 E2000 or 24 SC Simplex 1RU Angled Front Plate



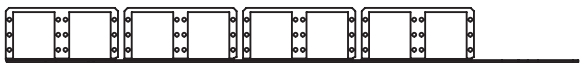
36 E2000 or 36 SC Simplex 1RU Angled Front Plate



24 ST or FC (D-Hole) 1RU Angled Front Plate



12 SC Duplex 1RU Angled Front Plate



24 SC Duplex 1RU Angled Front Plate

Order No*	SwingSystem 1RU Front Plate Options
102051.01-CC	12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex 1RU Angled Front Plate
102051.02-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex 1RU Angled Front Plate
102051.03-CC	36 E2000 Simplex or 36 SC Simplex 1RU Angled Front Plate
102051.04-CC	24 ST or 24 FC (D-hole) 1RU Angled Front Plate
102051.05-CC	12 SC Duplex 1RU Angled Front Plate
102051.06-CC	24 SC Duplex 1RU Angled Front Plate

Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

SwingSystem

2RU Fiber Termination Patch/Splice Panel

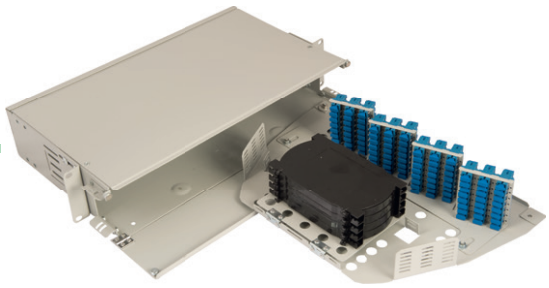
Alfafonet offers an innovative, high density swing panel has been designed to accept up to 96 fibres housed within a 2RU space. The tray fully manages the incoming fibres, pigtails and splices. The panel swing can pivot by up to 120° to allow easy access during installation or rework with no disturbance of the existing cable or fibres. Angled adaptors route exiting patch cords directly into the cabinet side management. The panel can be assembled to swing in either direction, facilitating cable entry from either side.

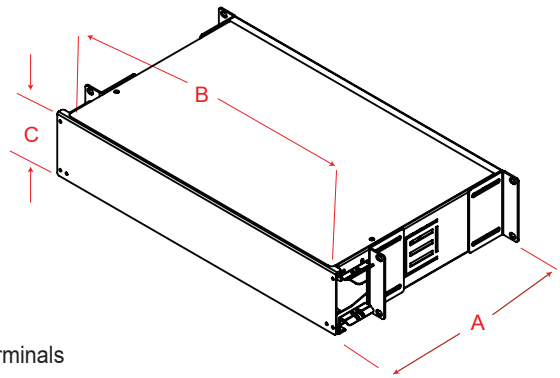
Features

- ✓ Swing tray gives full access to adaptors and fibres whilst managing incoming cable length
- ✓ Angled adaptor plates direct patch cords to side management behind openable front label plate
- ✓ Suitable for up to 4 incoming cables
- ✓ Tray can be assembly left or right handed, and recessed or set forward to accommodate different racks
- ✓ Accepts loose tube, distribution and pre-terminated cables.
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

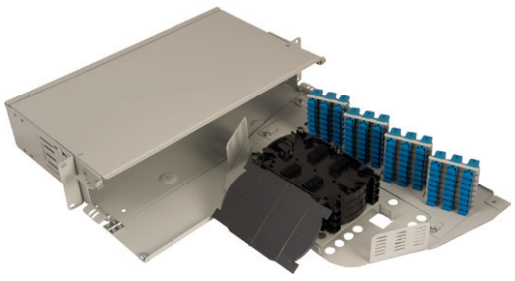
- ✓ Cold rolled steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Standard density: up to 48 fiber, High density: up to 96 fiber
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is leftside
- ✓ Optional cable stub location is rear





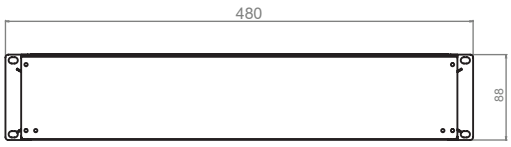
Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks

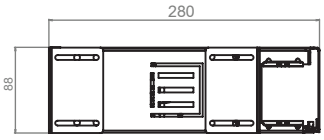


Dimensions

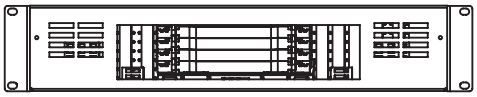
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
280	430	88	2	48/72/96	5 kg



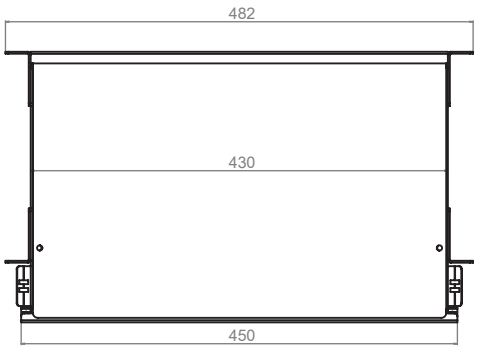
FRONT VIEW



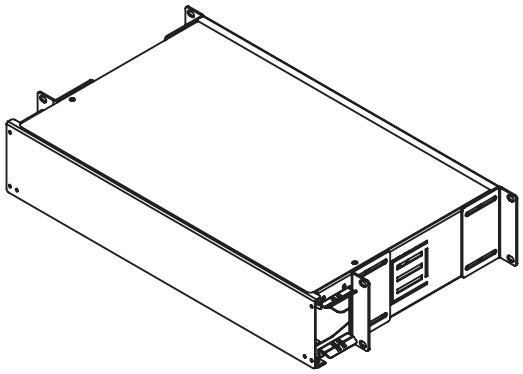
SIDE VIEW



BACK VIEW

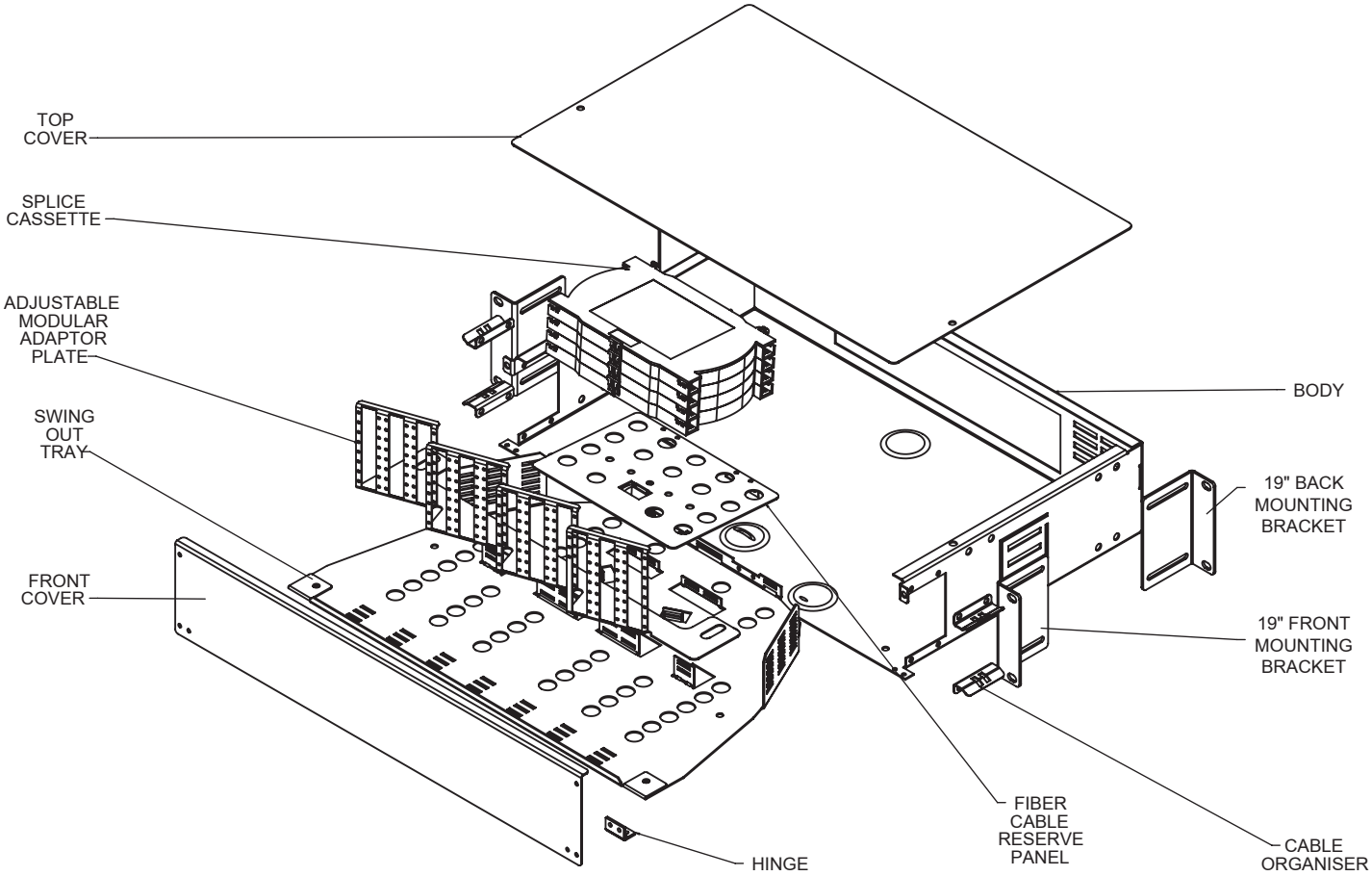


TOP VIEW



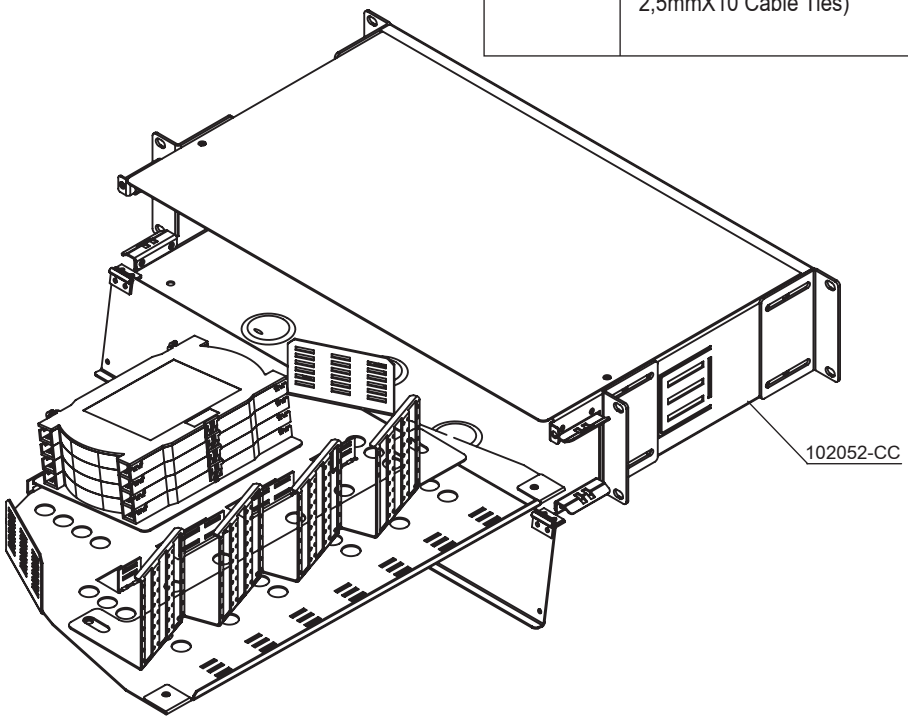
ISOMETRIC VIEW

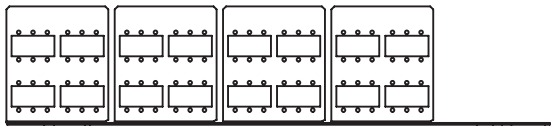
EXPLODED VIEW



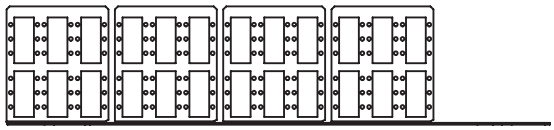
sales@alfafonet.com

Order No*	Product Definition
102052-CC	SwingSystem 2RU Fibre Optic Termination Panel,19" Rotatable Swing Type without front plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (2pcs. 50 cm Plastic Spiral Tube Ø13mm, 4pcs. Adhesive Bunny Clips, 8pcs. 2,5mmX10 Cable Ties)

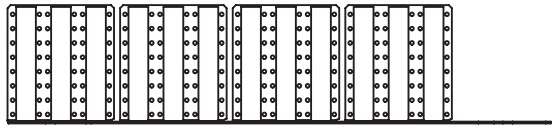




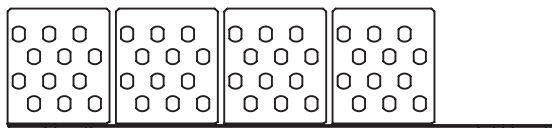
48 LC Duplex or 48 E2000 or 48 SC Simplex
2RU Angled Front Plate



72 E2000 or 72 SC Simplex 2RU Angled Front Plate



96 E2000 or 96 SC Simplex 2RU Angled Front Plate



48 ST or 48 FC (D-Hole) Horizontally Shifted
2RU Angled Front Plate

Order No*	SwingSystem 2RU Front Plate Options
102052.01-CC	48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex 2RU Angled Front Plate
102052.02-CC	72 E2000 Simplex or 72 SC Simplex 2RU Angled Front Plate
102052.03-CC	96 E2000 Simplex or 96 SC Simplex 2RU Angled Front Plate
102052.04-CC	48 ST or 48 FC (D-hole) Horizontally Shifted 2RU Angled Front Plate

Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

SwingSystem

3RU Fiber Termination Patch/Splice Panel

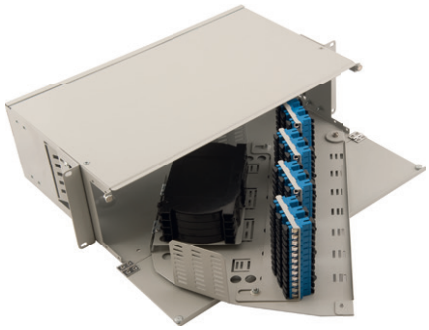
Alfafonet offers an innovative, high density swing panel has been designed to accept up to 144 fibres housed within a 3RU space. The tray fully manages the incoming fibres, pigtails and splices. The panel swing can pivot by up to 120° to allow easy access during installation or rework with no disturbance of the existing cable or fibres. Angled adaptors route exiting patch cords directly into the cabinet side management. The panel can be assembled to swing in either direction, facilitating cable entry from either side.

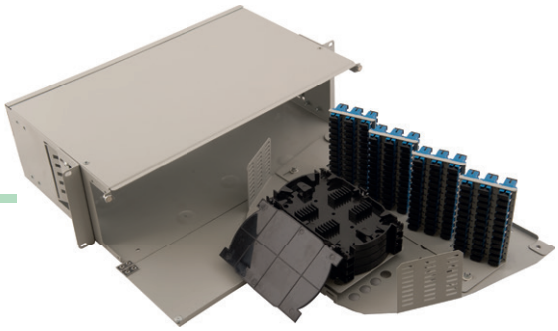
Features

- ✓ Swing tray gives full access to adaptors and fibres whilst managing incoming cable length
- ✓ Angled adaptor plates direct patch cords to side management behind openable front label plate
- ✓ Suitable for up to 4 incoming cables
- ✓ Tray can be assembly left or right handed, and recessed or set forward to accommodate different racks
- ✓ Accepts loose tube, distribution and pre-terminated cables.
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

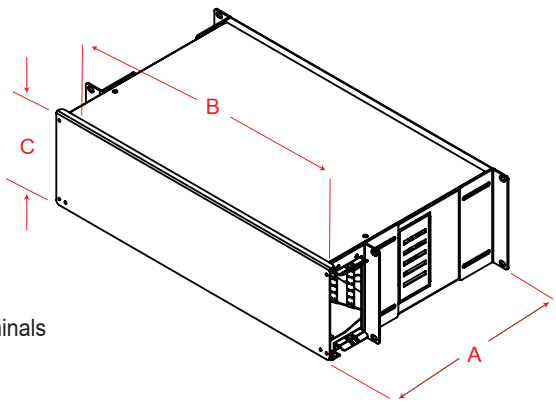
- ✓ Cold rolled steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Universal 19/21" EIA/TIA rack compatibility
- ✓ Standard density: up to 72 fiber, High density: up to 144 fiber
- ✓ Front and back side mounting options
- ✓ Standard cable stub location is leftside
- ✓ Optional cable stub location s is rear

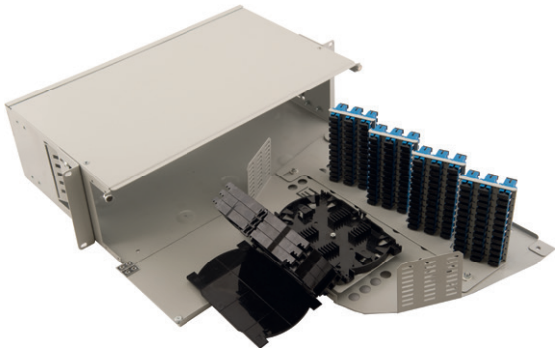




Applications

- ✓ Telecommunications closets
- ✓ Data Centers
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Central Offices / Headends
- ✓ Hubs / Cabinets / Remote Terminals
- ✓ FTTH / FTTB Networks





Dimensions

DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
280	430	132	3	72/144	6,2 kg

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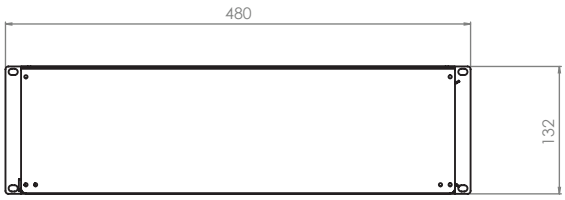
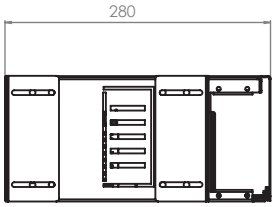
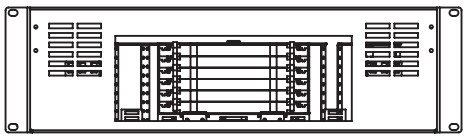


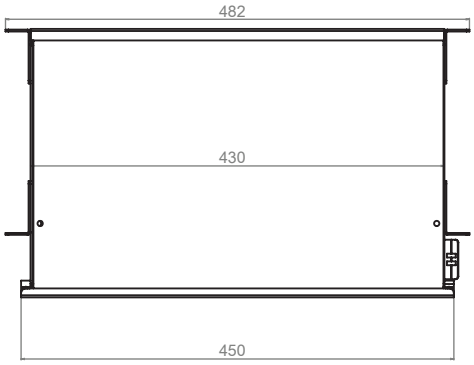
FRONT VIEW



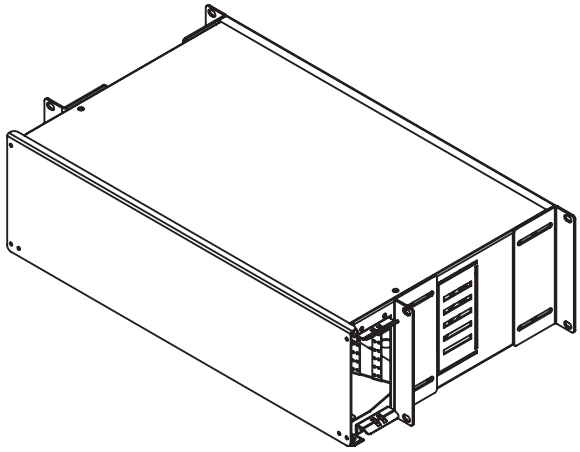
SIDE VIEW



BACK VIEW

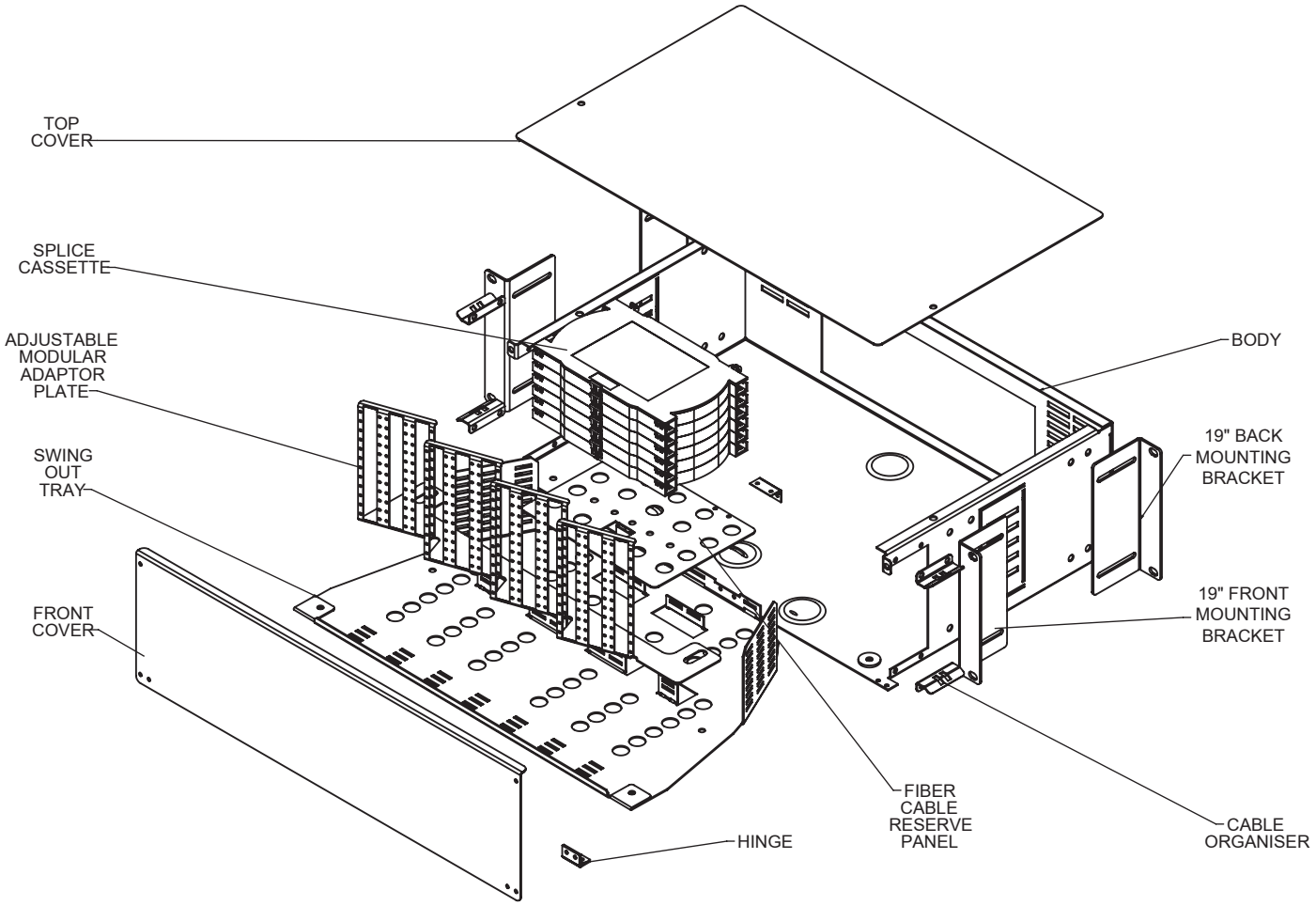


TOP VIEW

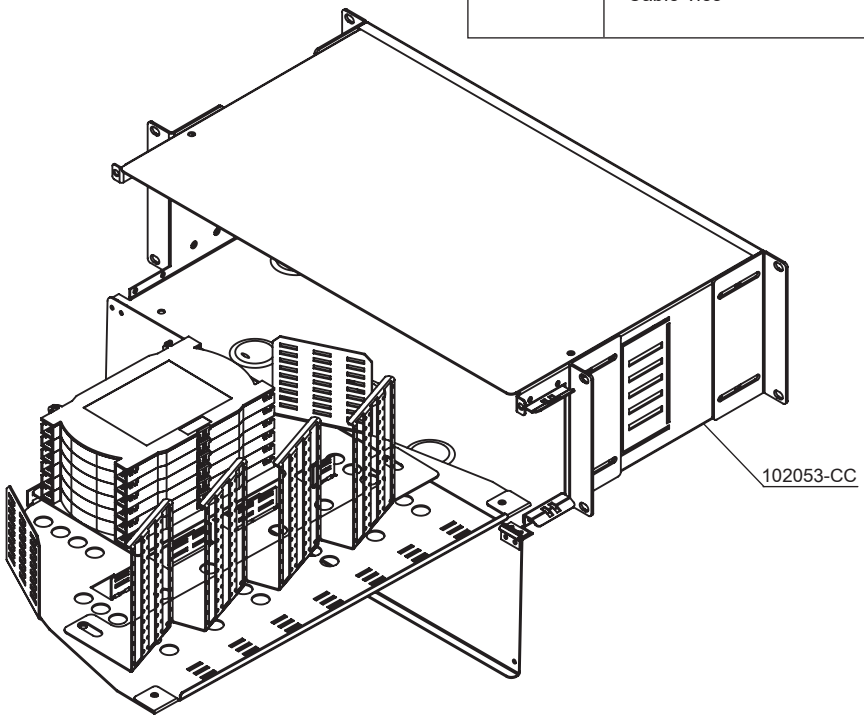


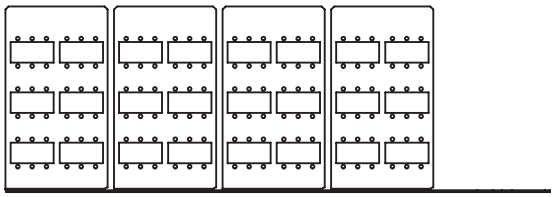
ISOMETRIC VIEW

EXPLODED VIEW

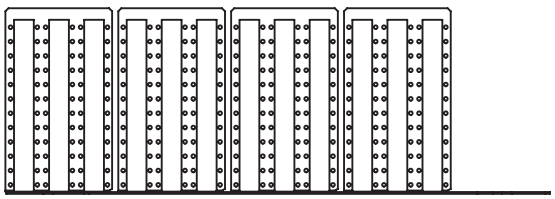


Order No*	Product Definition
102053-CC	SwingSystem 3RU Fibre Optic Termination Panel, 19" - Rotatable Swing Type without front plate, Colour: Black-RAL 9005 or Light Grey-RAL7035, (3pcs. 50 cm Plastic Spiral Tube Ø13mm, 4pcs. Adhesive Bunny Clips, 8pcs. 2,5mmX10 Cable Ties





72 LC Duplex or 72 E2000 or 72 SC Simplex 3RU Angled Front Panel



144 E2000 or 144 SC Simplex 3RU Angled Front Panel

Order No*	SwingSystem 3 RU Front Plate Options
102053.01-CC	72 LC Duplex or 72 E2000 Simplex or 72 SC Simplex 3RU Angled Front Panel
102053.02-CC	144 E2000 Simplex or 144 SC Simplex 3RU Angled Front Panel

Ordering Information

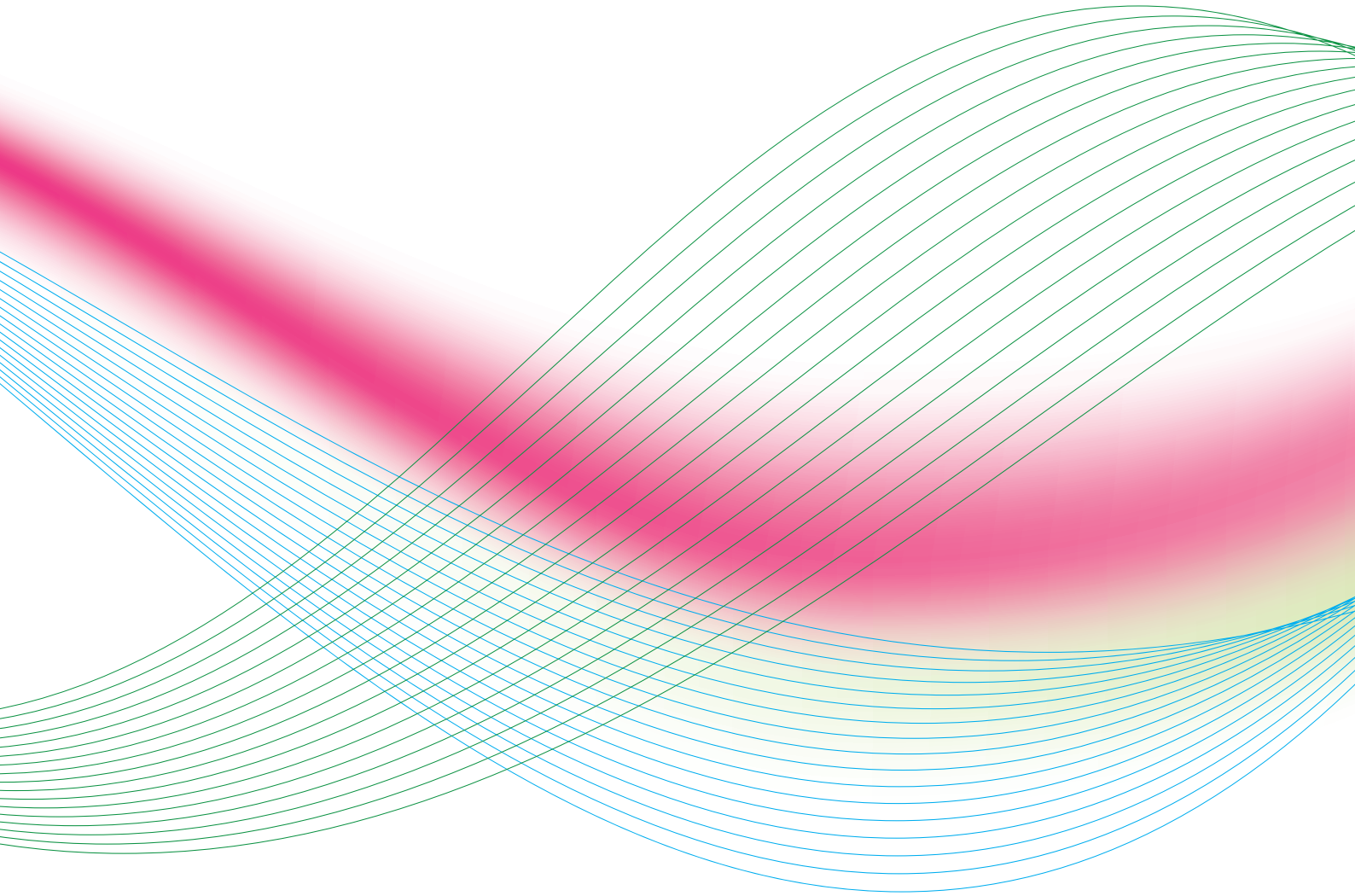
* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

Wall Boxes

OptiBox Small Wall Mount Fiber Termination Patch/Splice Box 74

OptiBox Medium Wall Mount Fiber Termination Patch/Splice Box 77

OptiBox Large Wall Mount Fiber Termination Patch/Splice Box 80



OptiBox Small

Wall Mount Fiber Termination Patch/Splice Box

The Alfafonet's OptiBox Small Fiber Termination Patch/Splice Box is designed for use as a wall mount interconnect point where termination and connectivity of up to 24 fibers is desired. This solution allows easy access to patch cords and pigtails after opening the hinged cassette tray. Standard boxes are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length.

Features

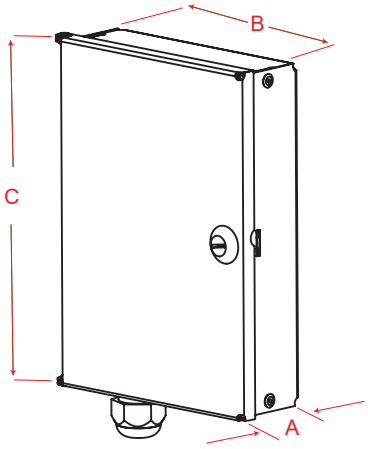
- ✓ Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- ✓ Most common connector styles and types available
- ✓ Compatible with industry standard equipment frames
- ✓ Single door with tube-style keyed lock for flexibility and security
- ✓ Optional magnetic lock
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

- ✓ Cold rolled steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Easy changeable adaptor plates
- ✓ Standard density: up to 12 fiber, High density: up to 24 fiber
- ✓ Standard cable stub location is bottom
- ✓ Optional splice trays for splitters

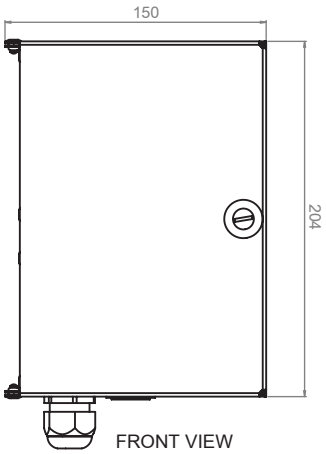
Applications

- ✓ Telecommunications closets
- ✓ HUB/OTN Sites
- ✓ Customer premise
- ✓ Co-Location sites
- ✓ Campus/enterprise environments
- ✓ FTTH / FTTB Networks

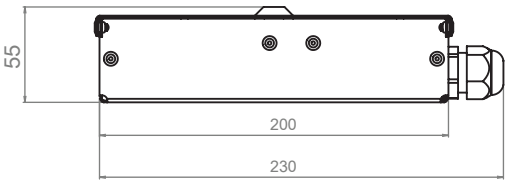


Dimensions

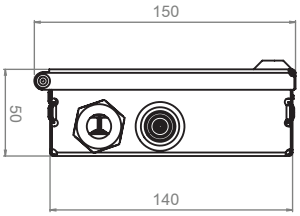
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
55	150	200	-	6/12/24	0,8 kg



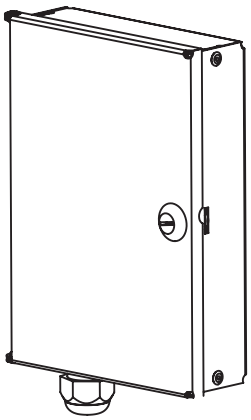
FRONT VIEW



SIDE VIEW

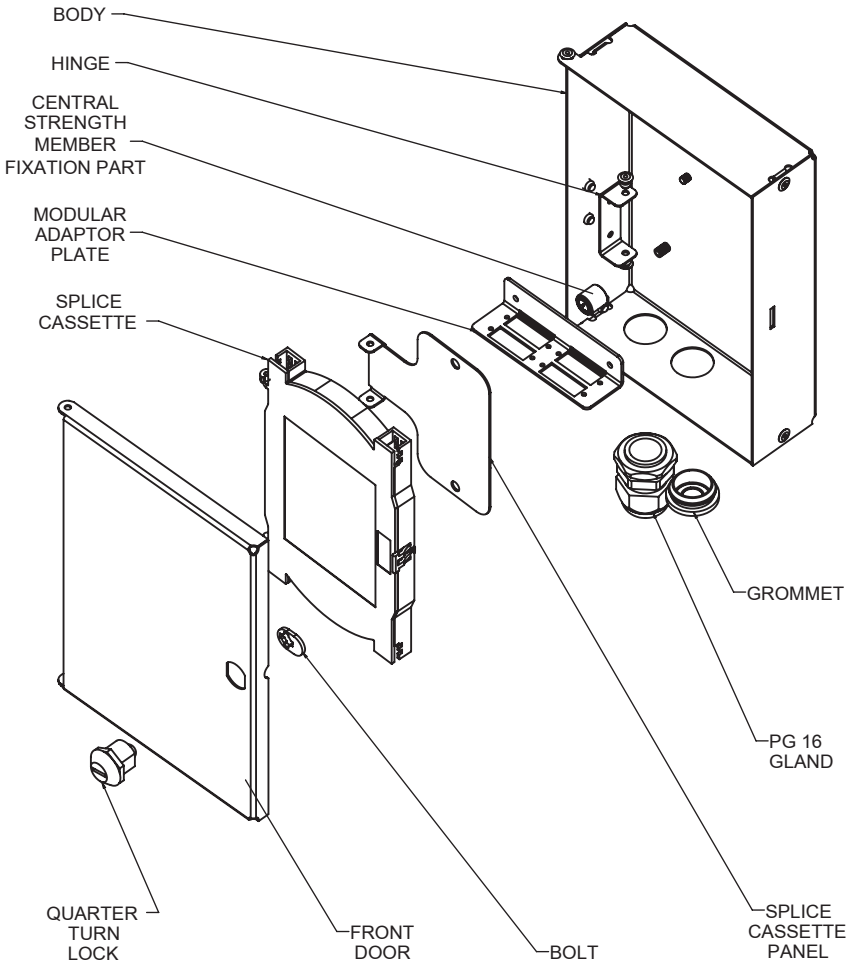


BOTTOM VIEW

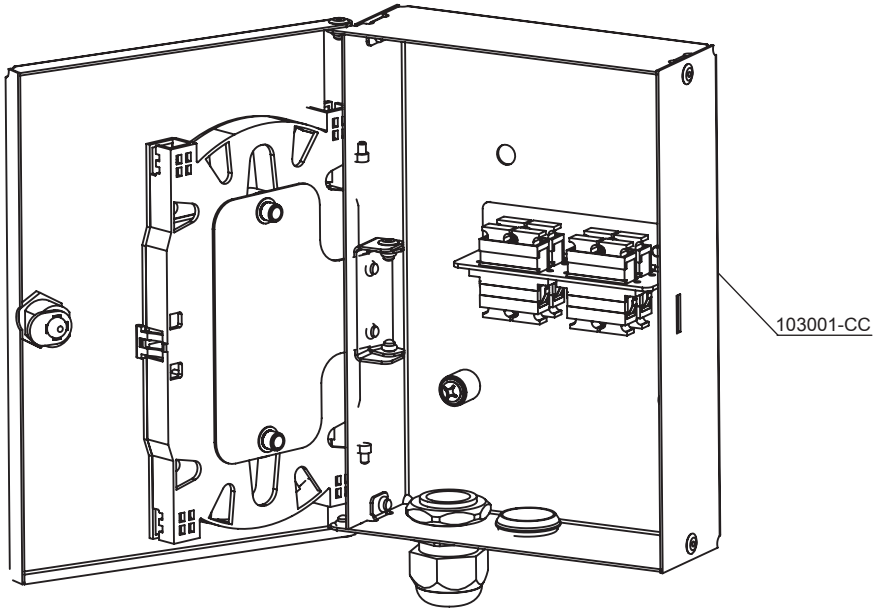


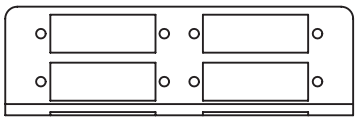
ISOMETRIC VIEW

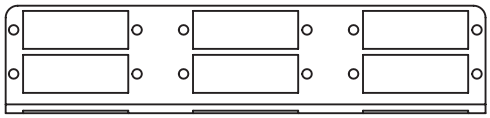
EXPLODED VIEW

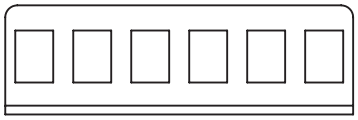


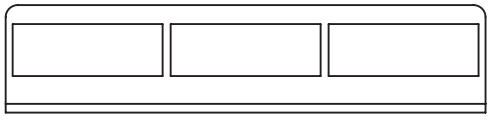
Order No*	Product Definition
103001-CC	OptiBox Small Fibre Optic Termination Box-Single Door with Tube-Style Keyed Lock without Adaptor Plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (1pcs. PG16 Plastic Gland and 1pcs. Grommet, 1pcs. 50cm Spiral Wrap, 4pcs. 2,5mmX10 Cable Ties)

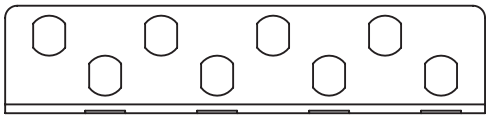


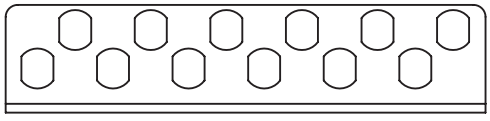

4 SC Duplex or 4 LC Quad Horizontal Adaptor Plate


6 SC Duplex or 6 LC Quad Horizontal Adaptor Plate


6 LC Duplex or 6 E2000 Simplex or 6 SC Simplex Adaptor Plate


12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex Adaptor Plate


8 ST or 8 FC (D-hole) Adaptor Plate


12 ST or 12 FC (D-hole) Adaptor Plate

Order No*	OptiBox Small Adaptor Plate Options
103001.01-CC	4 SC Duplex or 4 LC Quad Horizantal Adaptor Plate
103001.02-CC	6 SC Duplex or 6 LC Quad Horizantal Adaptor Plate
103001.03-CC	6 LC Duplex or 6 E2000 Simplex or 6 SC Simplex Adaptor Plate
103001.04-CC	12 LC Duplex or 12 E2000 Simplex or 12 SC Simplex Adaptor Plate
103001.05-CC	8 ST or 8 FC (D-hole) Adaptor Plate
103001.06-CC	12 ST or 12 FC (D-hole) Adaptor Plate

Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

OptiBox Medium

Wall Mount Fiber Termination Patch/Splice Box

The Alfafonet's OptiBox Medium Fiber Termination Patch/Splice Box is designed for use as a wall mount interconnect point where termination and connectivity of up to 48 fibers is desired. This solution allows easy access to patch cords and pigtails after opening the hinged front door. Standard boxes are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length.

Features

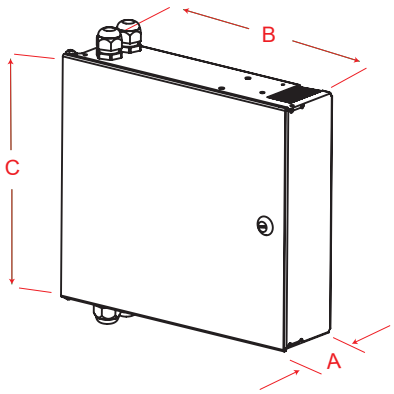
- ✓ Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- ✓ Most common connector styles and types available
- ✓ Compatible with industry standard equipment frames
- ✓ Single door with tube-style keyed lock for flexibility and security
- ✓ Optional magnetic lock
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

Specifications

- ✓ Cold rolled steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Easy changeable adaptor plates
- ✓ Standard density: up to 24 fiber, High density: up to 48 fiber
- ✓ Standard cable stub location is bottom
- ✓ Optional splice trays for splitters

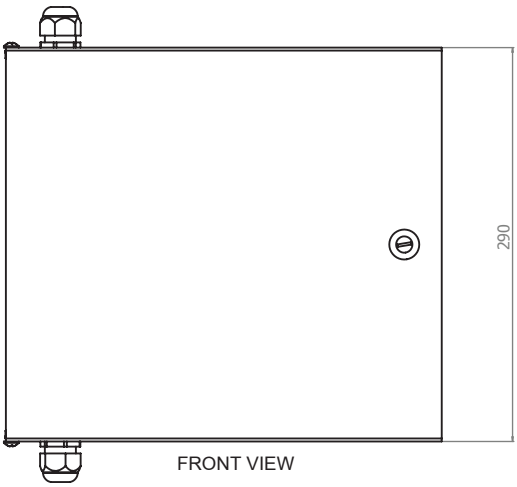
Applications

- ✓ Telecommunications closets
- ✓ HUB/OTN Sites
- ✓ Customer premise
- ✓ Co-Location sites
- ✓ Campus/enterprise environments
- ✓ FTTH / FTTB Networks

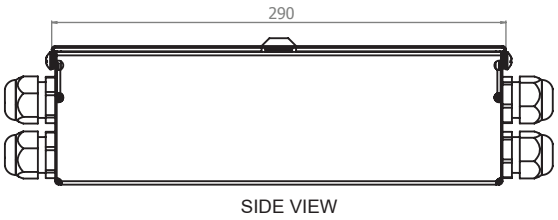


Dimensions

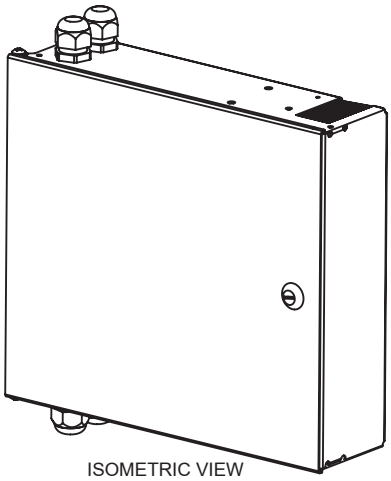
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
88	320	290	-	24/48	2,8 kg



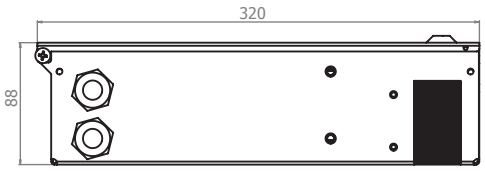
FRONT VIEW



SIDE VIEW

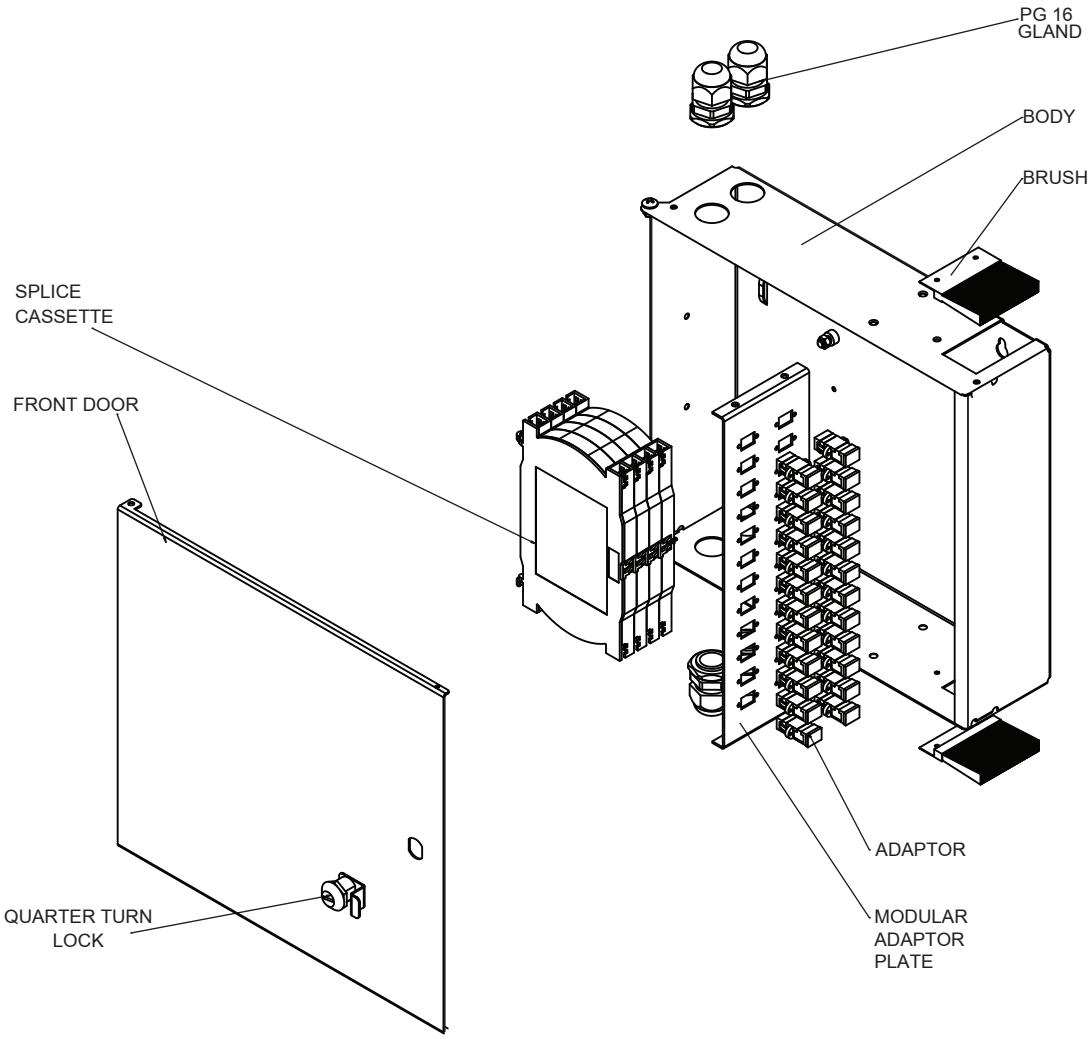


ISOMETRIC VIEW



BOTTOM VIEW

EXPLODED VIEW



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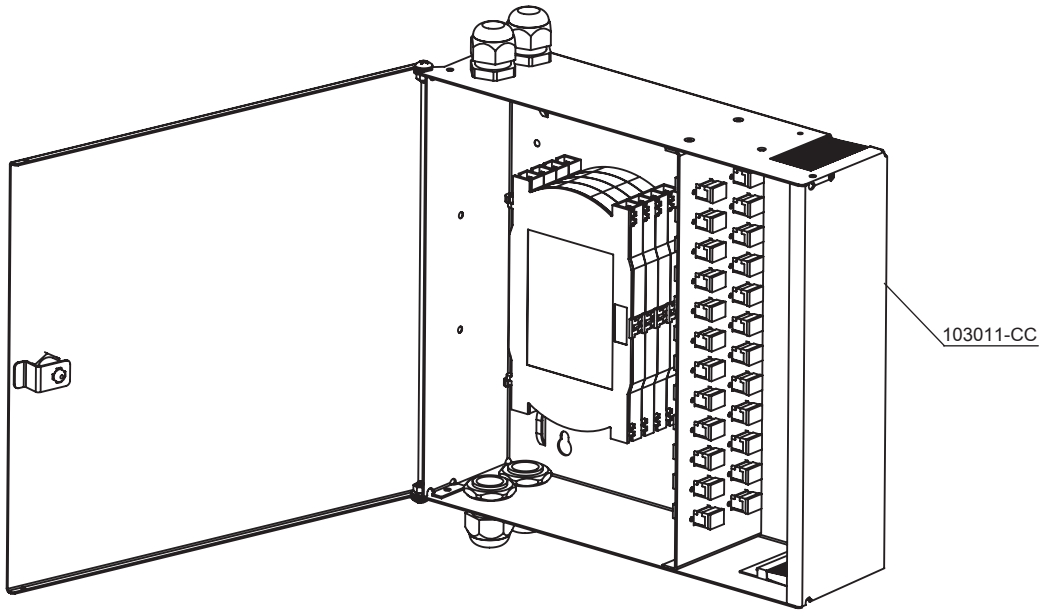
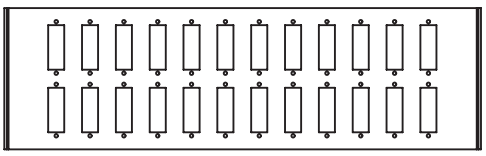
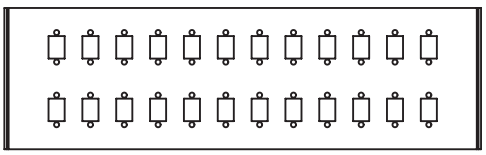
Order No*	Product Definition
103011-CC	OptiBox Medium Fibre Optic Termination Box Single Door with Tube-Style Keyed Lock without Adaptor Plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (2pcs. PG16 Plastic Gland , 4pcs. Adhesive Bunny Clips, 2pcs. 50cm Spiral Wrap, 4pcs. 2,5mmX10 Cable Ties)



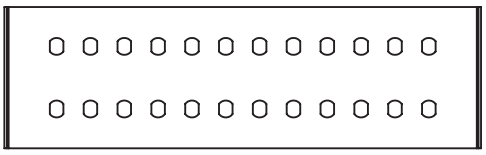


24 SC Duplex Vertical Adaptor Plate

Order No*	OptiBox Medium Adaptor Plate Options
103011.01-CC	24 SC Duplex Vertical Adaptor Plate
103011.02-CC	24 LC Duplex or 24 E2000 Simplex or 24 SC Simplex Vertical Adaptor Plate
103011.03-CC	24 ST or 24 FC (D-hole) Adaptor Plate



24 LC Duplex or 24 E2000 or 24 SC Simplex Vertical Adaptor Plate



24 ST or 24 FC (D-Hole) Adaptor Plate

Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

OptiBox Large

Wall Mount Fiber Termination Patch/Splice Box

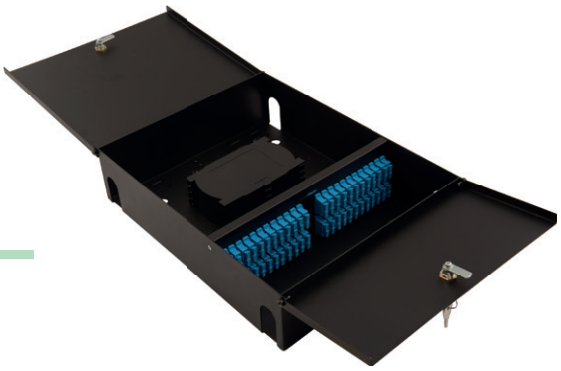
The Alfafonet's OptiBox Large Fiber Termination Patch/Splice Box is designed for use as a wall mount interconnect point where termination and connectivity of up to 96 fibers is desired. This solution allows easy access to patch cords and pigtails after opening the hinged front doors. Standart boxes are available empty for complete field configuration, half-loaded with adaptor plates for field termination and cable assembly installation, or stubbed with a factory-installed cable assembly of a user specified length.

Features

- ✓ Fits comfortably into new and existing interconnect, cross-connect, customer premise, and co-location environments
- ✓ Most common connector styles and types available
- ✓ Compatible with industry standard equipment frames
- ✓ Single door with tube-style keyed lock for flexibility and security
- ✓ Optional magnetic lock
- ✓ Optional splice tray kit for on site conversion to patch and splice panel

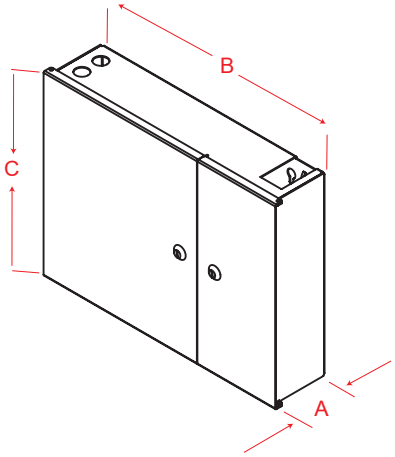
Specifications

- ✓ Cold rolled steel
- ✓ Durable textured powder coat finish available in black or white
- ✓ Easy changeable adaptor plates
- ✓ Standard density: up to 48 fiber, High density: up to 96fiber
- ✓ Standard cable stub location is bottom
- ✓ Optional splice trays for splitters



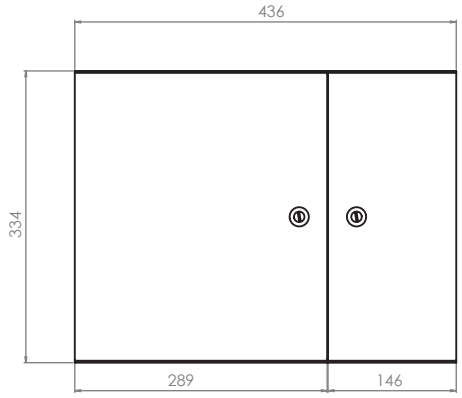
Applications

- ✓ Telecommunications closets
- ✓ HUB/OTN Sites
- ✓ Customer premise
- ✓ Co-Location sites
- ✓ Campus/enterprise environments
- ✓ FTTH / FTTB Networks

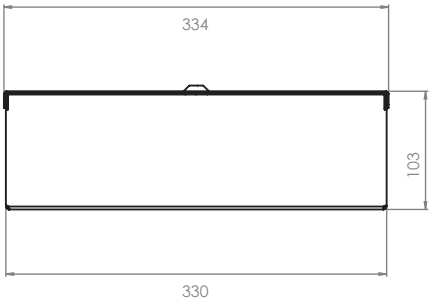


Dimensions

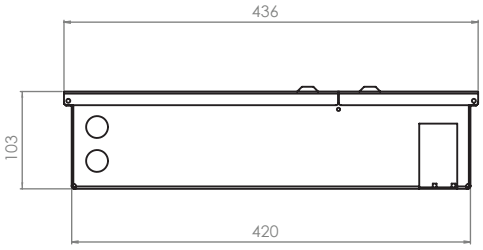
DEPTH A (mm)	WIDTH B (mm)	HEIGHT C (mm)	RACK UNITS	CAPACITY	UNLOADED WEIGHT
103	436	334	-	48/96	5,2 kg



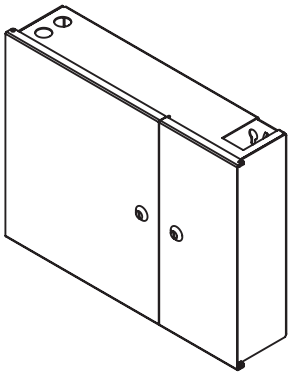
FRONT VIEW



SIDE VIEW

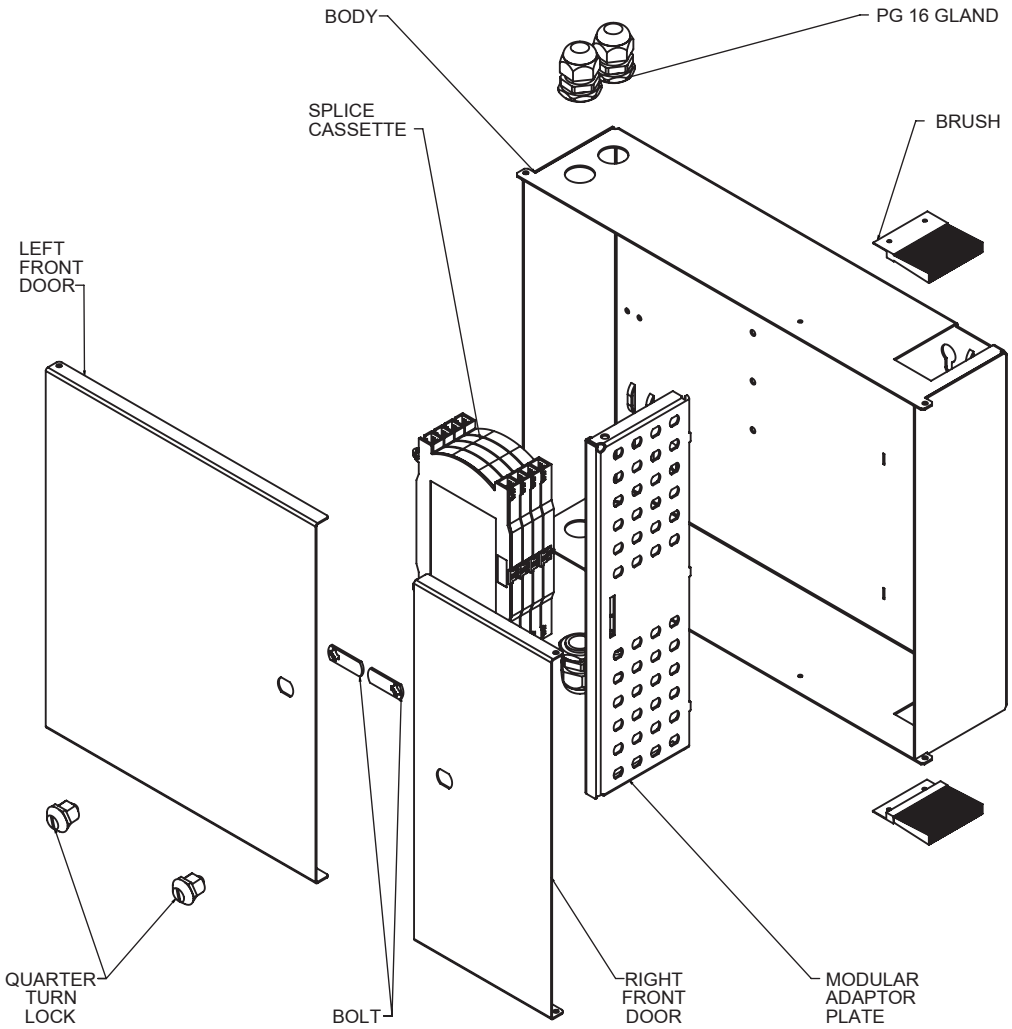


BOTTOM VIEW

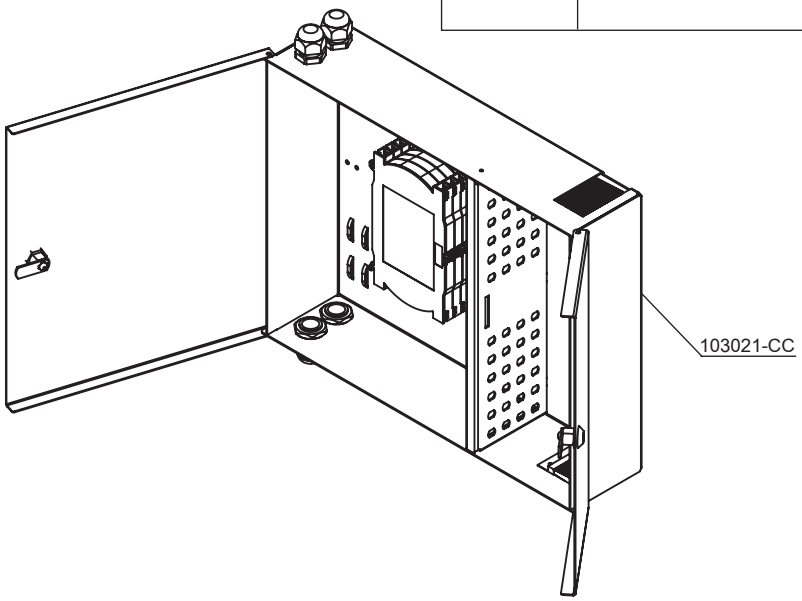


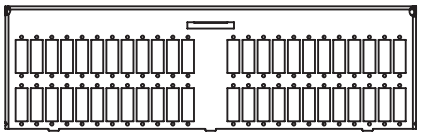
ISOMETRIC VIEW

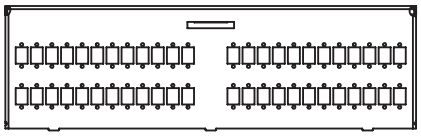
EXPLODED VIEW

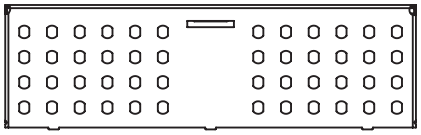


Order No*	Product Definition
103021-CC	OptiBox Medium Fibre Optic Termination Box Double Door with Tube-Style Keyed Locks without Adaptor Plate, Colour: Black-RAL9005 or Light Grey-RAL7035, (4pcs. PG16 Plastic Gland , 4pcs. Adhesive Bunny Clips, 4pcs. 50cm Spiral Wrap, 8pcs. 2,5mmX10 Cable Ties)




48 SC Duplex Vertical Adaptor Plate


48 LC Duplex or 48 E2000 or 48 SC Simplex Vertical Adaptor Plate


48 ST or FC (D-Hole) Adaptor Plate

Order No*	OptiBox Large Adaptor Plate Options
103021.01-CC	48 SC Duplex Vertical Adaptor Plate
103021.02-CC	48 LC Duplex or 48 E2000 Simplex or 48 SC Simplex Vertical Adaptor Plate
103021.03-CC	48 ST or 48 FC (D-hole) Adaptor Plate

Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

Splice Closures

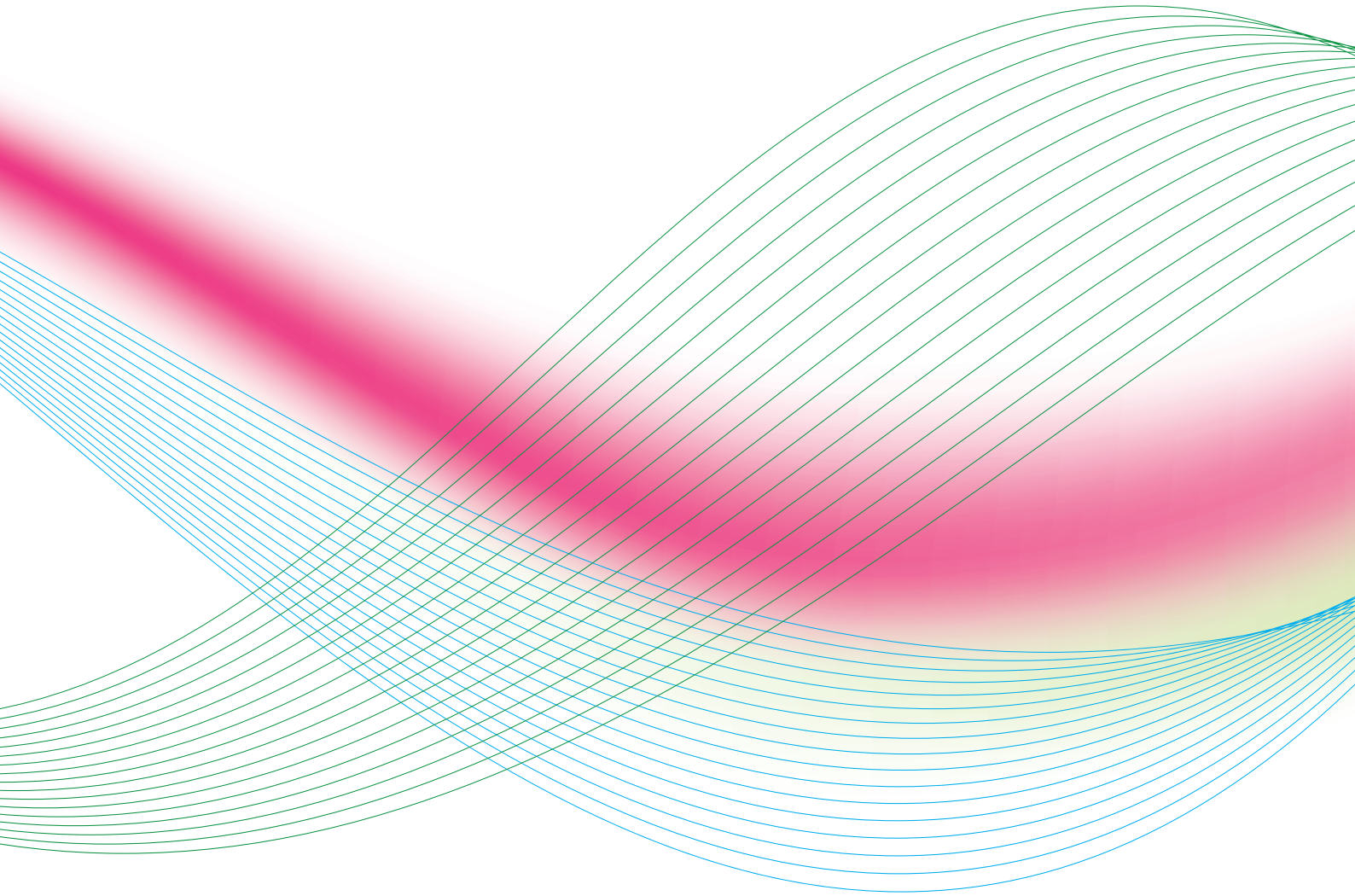
SC-101 & SC-102 Fiber Optic Splice Closures 84

SC-103 & SC-106 Fiber Optic Splice Closures 85

SC-131 & SC-132 Fiber Optic Splice Closures 86

SC-502 Fiber Optic Splice Closure & SC-F01 FTTH Compact Closure 87

SC-F02 FTTH Compact Closure 88



SC-101 Fiber Optic Splice Closure

Features

- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member termination system included
- ✓ Ribbed closure construction-lightweight plastic offers strength and resistance to chemical and U.V attack
- ✓ Installation and reentry with a minimum of tools
- ✓ Re-enterable and re-usable
- ✓ All hardware are captive
- ✓ Protection class: IP68
- ✓ ROHS compliance

Application

Underground, Aerial, Vault and Wall Mounting

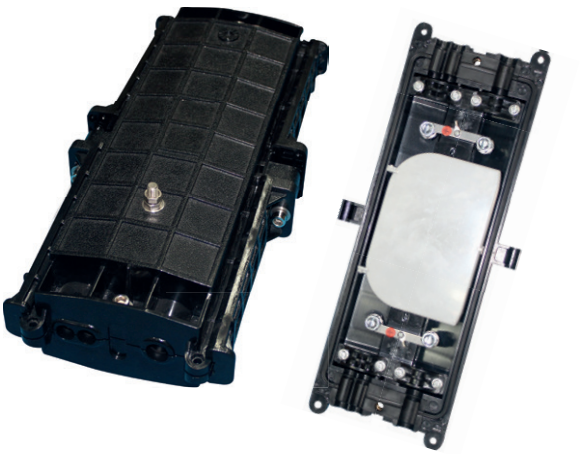
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-SC-101A	280X200X90	48 splices(4x12 splices)	2 ports	2 ports: each port for 1 cable with max 14 mm. or 2 cables with max 12 mm	Max. 4 Trays (each tray for 12 or 24 splices)
ALF-SC-101B		96 splices(4x24 splices)			

SC-102 Fiber Optic Splice Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member termination system included
- ✓ Ribbed closure construction-lightweight plastic offers strength and resistance to chemical and U.V attack
- ✓ Installation and reentry with a minimum of tools
- ✓ Re-enterable and re-usable
- ✓ All hardware are captive
- ✓ Protection class: IP68
- ✓ ROHS compliance



Application

Underground, Manhole , Aerial, Vault

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-SC-102A	400X185X90	48 splices(4x12 splices)	6 ports	6 ports :2 ports;each port for 1 cable with max 16 mm. 4 ports;each port for 1 cable with max. 13 mm.	Max. 4 Trays (each tray for 12 or 24 splices)
ALF-SC-102B		96 splices(4x24 splices)			

SC-103 Fiber Optic Splice Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member termination system included
- ✓ Ribbed closure construction-lightweight plastic offers strength and resistance to chemical and U.V attack
- ✓ Installation and reentry with a minimum of tools
- ✓ Re-enterable and re-usable
- ✓ All hardware are captived
- ✓ Protection class: IP68
- ✓ RoHS compliance

Application

Underground, Aerial, Vault, Pole Mounting and Wall Mountable

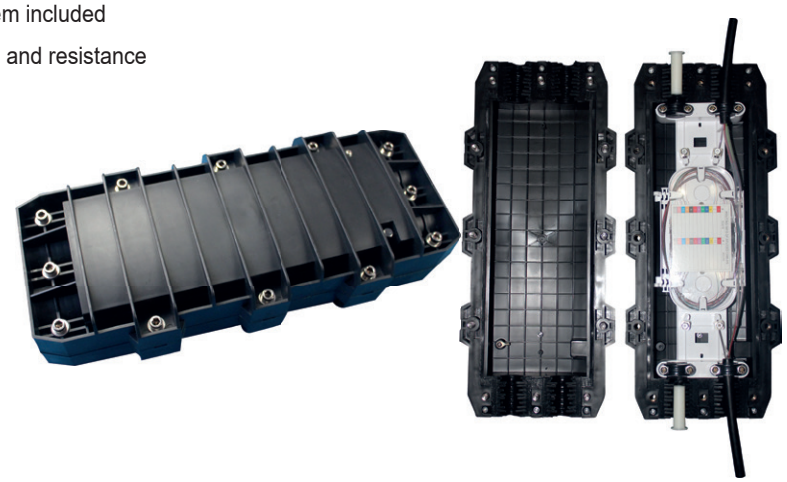
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-SC-103	323X202X86	96 splices(8X12 splices)	6 ports	6 ports : 2 ports;each port for 1 cable with max 20 mm. 2 ports;each port for 1 cable with max. 16 mm. 2 ports;each port for 1 cable with max. 13 mm.	Max. 8 Trays (each tray for 12 splices)

SC-106 Fiber Optic Splice Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member termination system included
- ✓ Ribbed closure construction-lightweight plastic offers strength and resistance to chemical and U.V attack
- ✓ Installation and reentry with a minimum of tools
- ✓ Re-enterable and re-usable
- ✓ All hardware is captive
- ✓ Protection class: IP68
- ✓ ROHS compliance



Application

Duct Mounting, Aerial Mounting, Wall Mounting

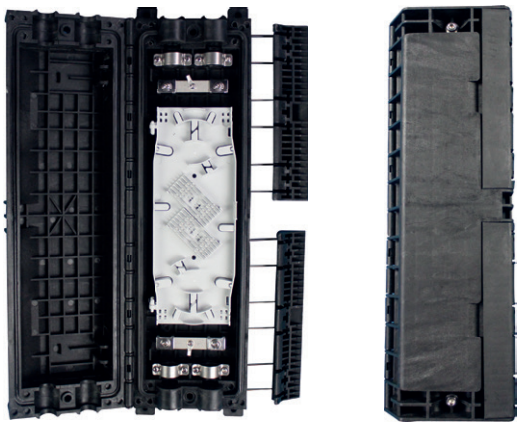
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-SC-106	432x186x100	96 splices(4x24 splices)	4 ports	4 ports : each port for 1 cable with max 13 mm.	Max. 4 Trays (each tray for 24 splices)

SC-131 Fiber Optic Splice Closure

Features

- ✓ May be used for all fiber optic cable
- ✓ Installation and re-entry with a minimum of tools
- ✓ Easy to be opened or closed
- ✓ Re-enterable and re-usable
- ✓ All hardware are included
- ✓ Protection class: IP68



Components

Cover
Bottom
Seal gasket
Clamp
Splice Tray(with heat shrink sleeves)
Cable fixing device
Grounding wire
Nylon tie
Labeling paper
Buffer tube
Insulation tape

Optional Accessories

Aerial mounting kits
Duct mounting kits
Pressure valve
Grounding device

Application

Duct Mounting, Aerial Mounting, Underground, Wall Mounting

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-SC-131	420x127x72	48 splices(2x24 splices)	4 ports	4 ports: each port for 1 cable with max 16 mm.	Max. 2 Trays (each tray for 24 splices)

SC-132 Fiber Optic Splice Closure

Features

- ✓ Installation and re-entry with a minimum of tools
- ✓ Easy to be opened or closed
- ✓ Re-enterable and re-usable
- ✓ All hardware are captived
- ✓ Capable for loading 1:8 PLC splitter
- ✓ Capable for max. 8pcs. SC adaptors
- ✓ Protection class: IP68

Components

Cover
Bottom
Seal gasket
Clamp
Splice Tray(with heat shrink sleeves)
Cable fixing device
Grounding wire
Nylon tie
Labeling paper
Buffer tube
Insulation tape

Optional Accessories

Aerial mounting kits
Duct mounting kits
Pressure valve
Grounding device

The closure is used to break out fibers from a looped cable to connect business customer, MDU's or single living units

Application

Duct Mounting, Aerial Mounting, Underground, Wall Mounting

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Adaptor Capacity
ALF-SC-132A	643x175x76	48 splices	8 ports	8 main cable ports:4 ports; each port for 1 cable with max. 16 mm. 4 ports;each port for 1 cable with max.8 mm.	Max. 8 SC simplex adaptors
ALF-SC-132B	643x175x76	48 splices	8 ports	8 drop cable ports: each port for diameter 3mm or 3x2 drop cables	

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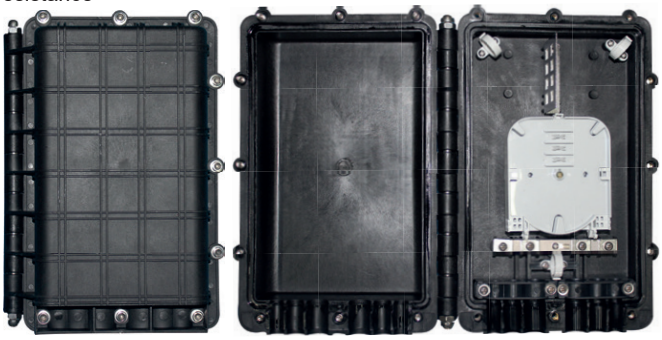
SC-502 Fiber Optic Splice Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable.
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ Re-enterable and re-usable
- ✓ All hardware are included
- ✓ Protection class: IP68
- ✓ RoHS compliance



Application

Underground, Aerial, Vault, Pole Mounting and Wall Mountable

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Adaptor Capacity
ALF-SC-502	323X202X86	48 splices(4x12 splices)	6 ports	6 ports : 2 ports;each port for 1 cable with max 20 mm. 2 ports;each port for 1 cable with max. 16 mm. 2 ports;each port for 1 cable with max. 13 mm.	8 SC simplex or 8 LC duplex adaptors

SC-F01 FTTH Compact Closure

Features

- ✓ Compact design for FTTH application
- ✓ Hinged structure
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ RoHS compliance

Application

Underground, Aerial , Duct, Wall Mounting

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Material
ALF-SC-F01	300x107x38	12 splices	4 ports	4 ports: each port for 1 cable with max 10 mm.	MPP

SC-F02 FTTH Compact Closure

Features

- ✓ Compact design for FTTH application
- ✓ Central strength member fasten system included
- ✓ Construction and lightweight plastic provides strength strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ RoHS compliance

Application

Aerial , Duct, Wall Mounting

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Material
ALF-SC-F02	179x72x26	4 splices	2 ports	2 ports: each port for 1 cable with max 6 mm.	MPP

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Dome Closures

DC-204 & DC-P204 Fiber Optic Dome Closures 90

DC-209A & DC-221 Fiber Optic Dome Closures 91

DC-220 Fiber Optic Dome Closure 92

DC-222 & DC-302B Fiber Optic Dome Closures 93

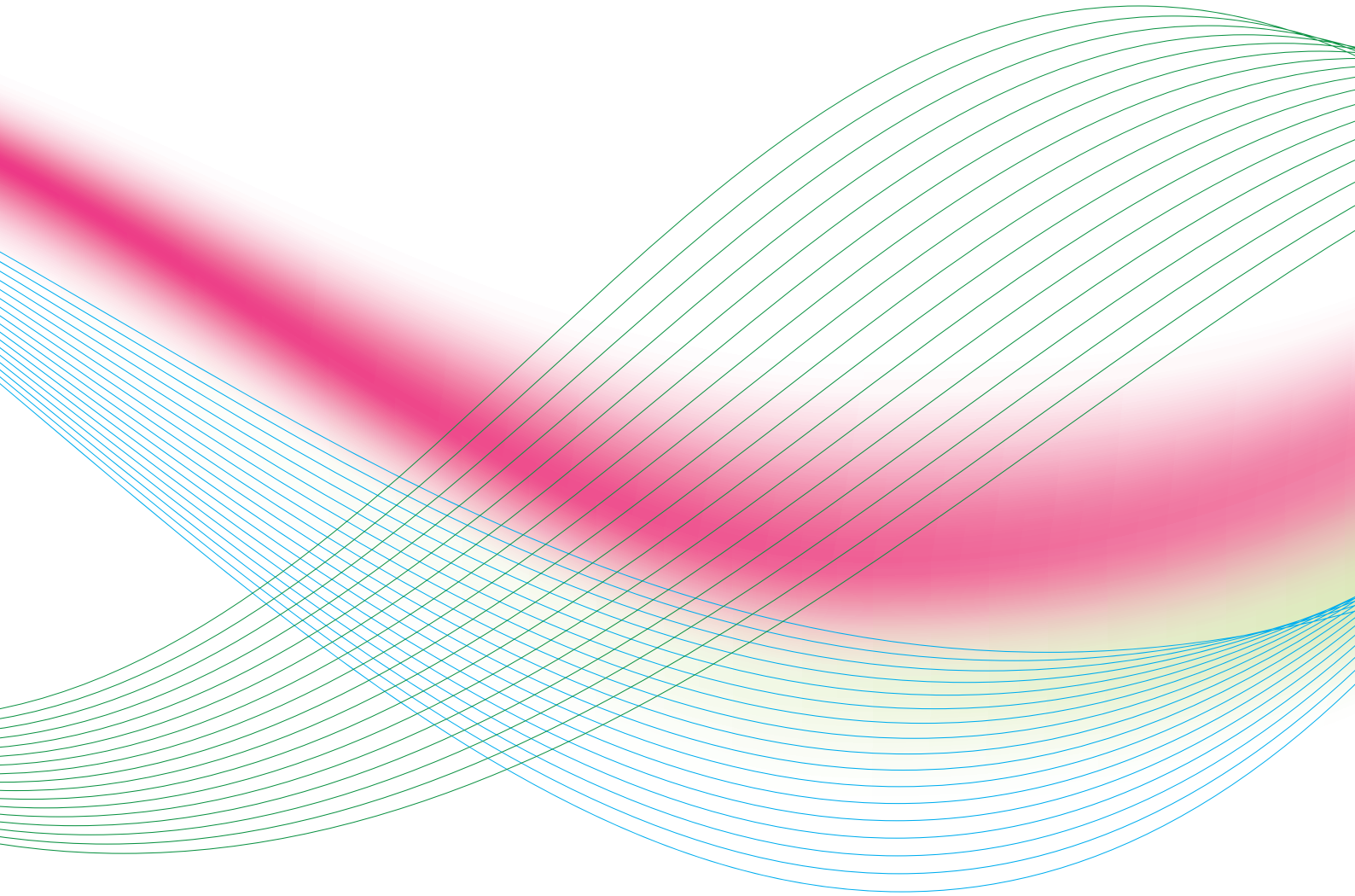
DC-306 & DC-101 Fiber Optic Dome Closures 94

DC-306-32SC Fiber Optic Dome Closure 95

DC-101-8PORTS & DC-102 Fiber Optic Dome Closures 96

DC-102-8PORTS Fiber Optic Dome Closure 97

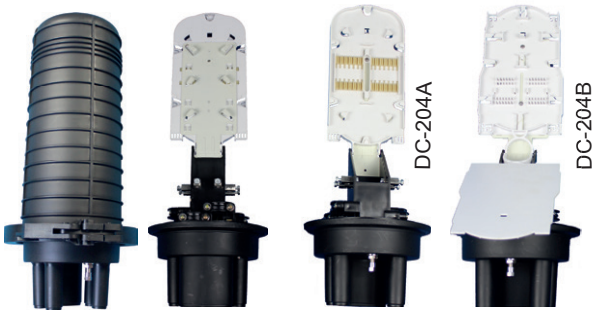
DC-SCM Fiber Optic Dome Closure 98



DC-204 Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Closure can be flash tested
- ✓ Protection class: IP68
- ✓ RoHS compliance



Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

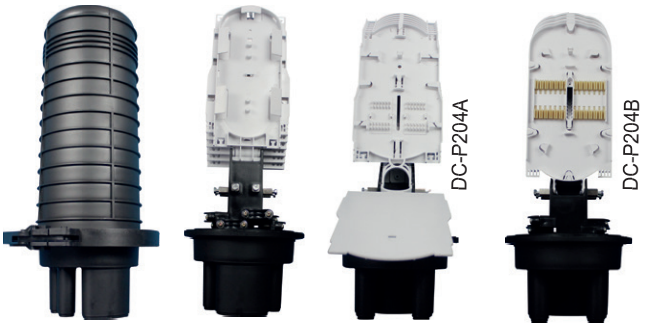
Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity (Single Fusion)	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-204A	450x230	144 splices(6x24 splices)	1 oval port	1 oval port for 1 looped cable with max 24 mm.	Tray 204A (Capacity:24 Splices)
ALF-DC-204B		168 splices(7x24 splices)	4 round ports	4 round ports: each port for 1 cable with max 17.5 mm	Tray 204B (Capacity:24 Splices)

DC-P204 Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable.
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Closure can be flash test
- ✓ Protection class: IP68
- ✓ RoHS compliance



Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity (Single Fusion)	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-P204A	450x230	144 splices(6x24 splices)	1 oval port	1 oval port for 1 looped cable with max 24 mm	Tray 204A Capacity:24 Splices
ALF-DC-P204B		168 splices(7x24 splices)	4 round ports	4 round ports: each port for 1 cable with max 17.5 mm	Tray 204B Capacity:24 Splices

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DC-209A Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Protection class: IP68
- ✓ RoHS compliance

Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-209A	300x178	48 splices(4x12 splices)	1 oval port 3 round ports	1 oval port for 1 cable with max 15 mm 3 round ports: each port for 1 cable with max 15 mm	Max. 4 Trays (each tray for 12 splices)

DC-221 Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Closure can be flash tested
- ✓ Protection class: IP68
- ✓ RoHS compliance

Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-221A	450x230	96 splices (4x24 splices)	1 oval port 4 round ports	1 oval port for 1 looped cable with max 24 mm 4 round ports: each port for 1 cable with max 17.5 mm	4 X Tray 204A Capacity:24 Splices
ALF-DC-221B		120 splices (single fusion)			5 X Tray 204B Capacity:24 Splices
ALF-DC-221C					5 X Tray 204C Capacity:24 Splices

DC-220 Fiber Optic Dome Closure

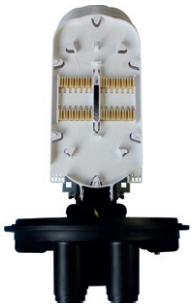
Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Protection class: IP68
- ✓ RoHS compliance

Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

DC-220A-BC6



DC-220B-BC6

DC-220C-BC6

DC-220D-BD6

DC-220E-BD6

Drop cable sealing

Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity (Single Fusion)	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-220A-BC6	488x285	288 splices (Single Fusion)	1 oval port 6 round ports	1 oval port for 1 looped cable with max 30 mm 6 round ports: each port for 1 cable with max 30 mm or each port for 8 drop cables with max 6 mm	12 X Tray 204A (Capacity:24 Splices)
ALF-DC-220B-BC6					12 X Tray 204B (Capacity:24 Splices)
ALF-DC-220C-BC6					12 X Tray 204C (Capacity:24 Splices)
ALF-DC-220D-BD6	566x285	288 splices (Single Fusion) 864 splices (mass fusion, ribbon)			12 X Tray 102A (Capacity:24 Splices)
ALF-DC-220E-BD6		288 splices (Single Fusion)			12 X Tray 102B (Capacity:24 Splices)

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DC-222 Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ Re-enterable and re-usable
- ✓ All hardware are included
- ✓ Protection class: IP68
- ✓ RoHS compliance

Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-222	566x285	864 splices (single fusion)	1 oval port 6 round ports	1 oval port for 1 looped cable with max 30 mm 6 round ports: each port for 1 cable with max 30 mm	12 X Tray 222 (Capacity:72 Splices)

DC-302B Fiber Optic Dome Closure

Features

- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ Re-enterable and re-usable
- ✓ All hardware are included
- ✓ Protection class: IP68
- ✓ RoHS compliance

Application

Underground, Aerial, Vault and Wall Mounting

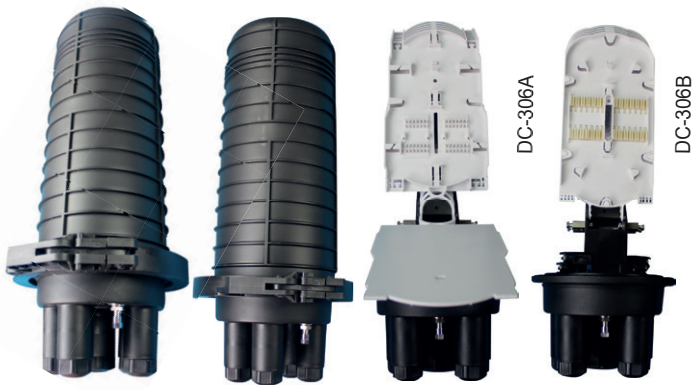
Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-302B	300x178	48 splices (4x12 splices)	4 round ports	4 round ports: each port for 1 cable with max 16 mm	Max. 4 Trays (each tray for 6 or 12 splices)

DC-306 Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ Mechanical sealing way, re-enterable and reusable
- ✓ All hardware are included
- ✓ Closure can be flash tested
- ✓ Protection class: IP68
- ✓ RoHS compliance



Application

Watertight, Underground, Aerial, Vault and Wall Mountable

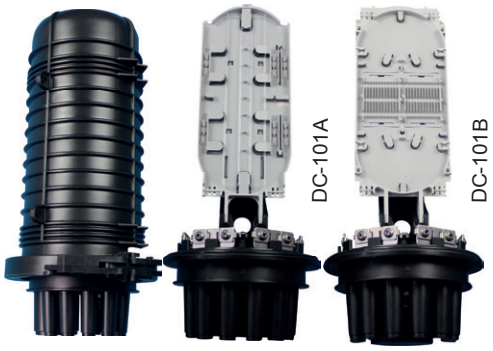
Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-306A	450x230	144 splices (6x24 splices)	1 large port 4 round ports	1 large round port for 1 looped cable with max 16 mm	Tray 204A (Capacity:24 Splices)
ALF-DC-306B		168 splices (7x24 splices)		4 round ports: each port for 1 cable with max 17.5 mm	Tray 204B (Capacity:24 Splices)

DC-101 Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Closure can be flash test
- ✓ Protection class: IP68
- ✓ RoHS compliance



Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

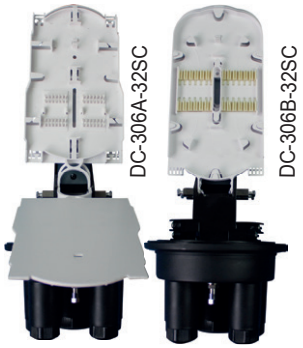
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-101A	420x180	96 splices (4x24 splices)	1 oval port 4 round ports	1 oval port for 1 cable with max 25 mm	Tray 204C (Capacity:24 Splices)
ALF-DC-101B		96 splices (4x24 splices)		4 round ports: each port for 1 cable with max 19 mm	Tray 101B (Capacity:24 Splices)

DC-306-32SC Fiber Optic Dome Closure

Features

- ✓ Max. for 36 SC simplex adaptors
- ✓ Max. for 32 drop cables
- ✓ Can hold 1x32, 1x16,1x8 etc. PLC splitter
- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ Mechanical sealing way,re-enterable and reusable
- ✓ All hardware are included
- ✓ Closure can be flash tested
- ✓ Protection class: IP68
- ✓ RoHS compliance



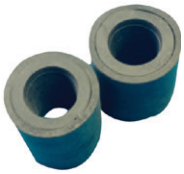
Application

Watertight, Underground, Aerial, Vault and Wall Mountable

For 9 pcs. of drop cables with diameter 2x5mm, 2x3.1mm

For 9 pcs. of cables with diameter 3mm

For 4 pcs. of cables with diameter 7mm



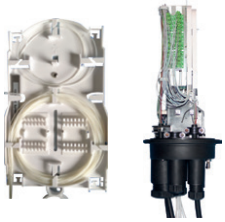
For 1 pcs. of cable with diameter 17.5mm

For 6 pcs. of drop cables with diameter 2x5mm, 2x3.1mm, 3x3mm

Tray 204A

Tray 204B

Tray with PLC splitter



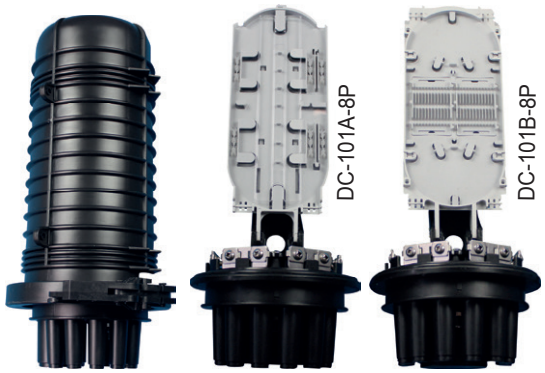
Specifications & Ordering Information

Order No	Dimensions(mm) HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays	PLC Splitter Capacity	Adaptor Capacity
ALF-DC-306A-32SC	450x230	144 splices (6x24 splices)	1 large port 4 round ports	1 large round port for 1 looped cable with max 16 mm 4 round ports: each port for 1 cable with max 17.5 mm or each port for 6 pcs of drop cable with diameter 2x5 mm, 2x3.1 mm, 3x3 mm or 9 pcs of drop cables with diameter 2x5 mm, 2x3.1mm or 9 pcs of cables with diameter 3 mm or 4 pcs of cables with diameter 7 mm	Tray 204A (Capacity:24 Splices)	1x32 1x16 1x8	36 SC simplex adaptors
ALF-DC-306B-32SC		168 splices (7x24 splices)			Tray 204B (Capacity:24 Splices)		

DC-101-8PORTS Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Closure can be flash test
- ✓ Protection class: IP68
- ✓ RoHS compliance



Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

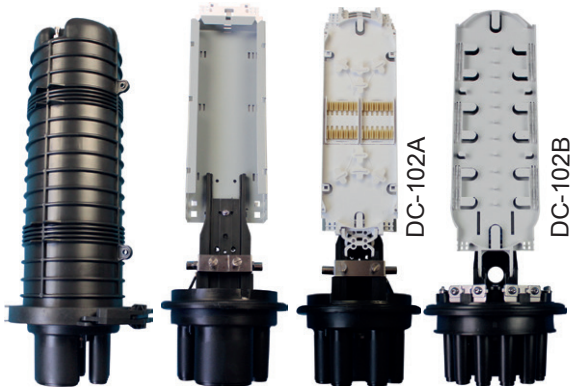
Specifications & Ordering Information

Order No	Dimensions HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-101A-8P	450x230	96 splices (4x24 splices)	1 large port 8 round ports	1 oval port for 1 cable with max 25 mm	Tray 204C (Capacity:24 Splices)
ALF-DC-101B-8P		96 splices (4x24 splices)		8 round ports: each port for 1 cable with max 10 mm	Tray 101B (Capacity:24 Splices)

DC-102 Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Closure can be flash test
- ✓ Protection class: IP68
- ✓ RoHS compliance



Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

Specifications & Ordering Information

Order No	Dimensions HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-102A	540x180	96 splices (4x24 splices)	1 oval port 4 round ports	1 oval port for 1 cable with max 25 mm	Tray 102A (Capacity:24 Splices)
ALF-DC-102B		96 splices (4x24 splices)		4 round ports: each port for 1 cable with max 20 mm	Tray 102B (Capacity:24 Splices)

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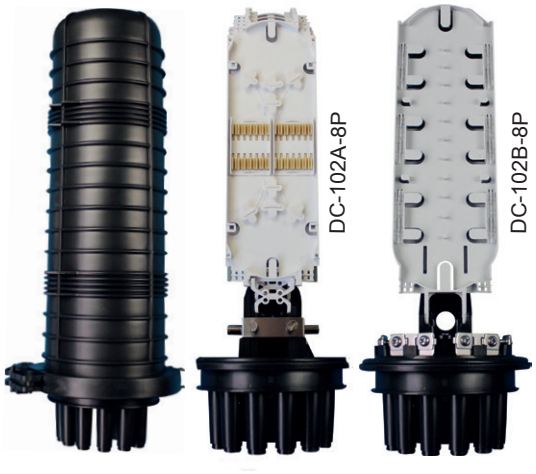
DC-102-8PORTS Fiber Optic Dome Closure

Features

- ✓ May be used for cut, uncut and taut sheath applications
- ✓ May be used for all fiber optic cable
- ✓ Sheath retention & central strength member fasten system included
- ✓ Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
- ✓ Installation and re-entry with a minimum of tools
- ✓ All hardware are included
- ✓ Closure can be flash test
- ✓ Protection class: IP68
- ✓ RoHS compliance



Application

Underground, Aerial, Vault, Pole Mounting and Wall Mounting

Specifications & Ordering Information

Order No	Dimensions HeightxDiameter	Spliced Fiber Storage Capacity	Cable Ports	Max. Diameter of Cable(mm)	Splice Trays
ALF-DC-102A-8P	540x180	96 splices (4x24 splices)	1 large port	1 oval port for 1 cable with max 25 mm	Tray 102A (Capacity:24 Splices)
ALF-DC-102B-8P		96 splices (4x24 splices)	8 round ports	8 round ports: each port for 1 cable with max 10 mm	Tray 102B (Capacity:24 Splices)

DC-SCM (Single Circuit Management) Fiber Optic Dome Closure

The DC-SCM dome closure is an environmentally sealed enclosure and fiber management system that provides the functions of splice and passive component integration in the external network.

Features

- ✓ Single-ended design
- ✓ Base and dome are sealed with a clamp and O-ring system
- ✓ 6 or 16 for drop cables and 1 oval port for looped cable
- ✓ Compatible with most common cable types: e.g. loose tube, central core, ribbon fiber
- ✓ Uncut fibers can be stored as single circuits in trays and/or as cable elements in the storage space between the profiles. Storage baskets are available for mass storage of fibers of central core cable constructions

Sealing way

Base-to-base seals on the closures are mechanical for ease of installation and re-entry

Cable seals by heat shrink tube

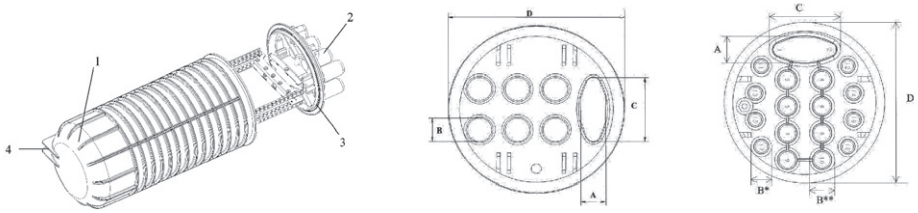
Application

Underground, Aerial, Vault and Wall Mountable

Specifications & Ordering Information

Key

1. Dome 2. Clamp 3. Base 4. Wrap-around grooveplates



Dimensions(mm or inches)	DC- SCM-BC6	DC- SCM-BD6	DC- SCM-BE6
L	488(19.2)	566(22.3)	700(27.6)
A	30(1.2)	30(1.2)	30(1.2)
B	30(1.2)	30(1.2)	30(1.2)
B*	20(0.79)	20(0.79)	20(0.79)
B**	13.5(0.53)	13.5(0.53)	13.5(0.53)
C	82(3.2)	82(3.2)	82(3.2)
D	247(9.7)	247(9.7)	247(9.7)
D w/clamp	285(11.2)	285(11.2)	285(11.2)
Single Circuit Splicing Capacity(SC)	112 fibers(56 trays)	160 fibers(80 trays)	224 fibers(112 trays)
Single Element Splicing Capacity(SE)	336 fibers(28 trays)	480 fibers(40 trays)	672 fibers(56 trays)
R4/R8 Splicing Capacity	224 fibers(28 trays)	336 fibers(42 trays)	464 fibers(58 trays)
R12 Splicing Capacity	192 fibers(16 trays)	336 fibers(28 trays)	432 fibers(36 trays)

ALF-DC-SCM [XX] [X]- [X] [X]

Type
BC 488 mm long with two 28 units UMS
BD 566 mm long with two 42 units UMS
BE 700 mm long with two 58 units UMS

Number of round ports
6 rounds ports
16 round ports (8 : Ø 20)
(8 : Ø 13.5)

Flast test point
V Pre-mounted flash test point in dome
N No pressure relief valve

Ground feed-through
G Pre-mounted ground feed-through
N No ground feed-through

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Termination Boxes

TB-001 &TB-002 Termination Boxes 100

TB-007& TB-008 Termination Boxes 101

TB-C01 & TB-X04 Termination Boxes 102

TB-X08 & TB-X12 Termination Boxes 103

TB-X20 & TB-X21 Termination Boxes 105

TB-X21D & TB-X30 Termination Boxes 106

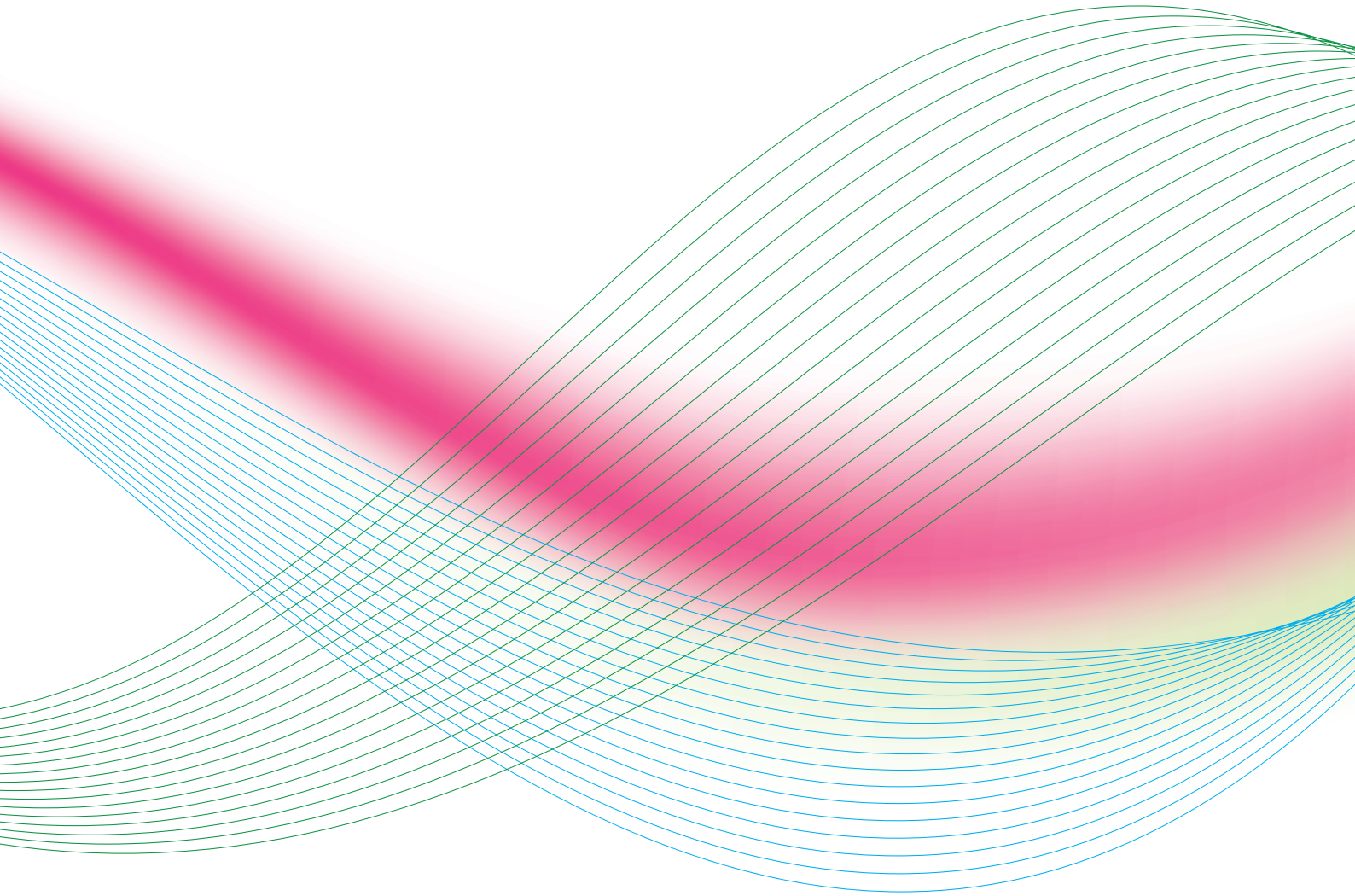
TB-X30C &TB-X40 Termination Boxes 107

TB-X48A Termination Box 108

TB-X48B & TB-X50 Termination Boxes 109

TB-X100 & TB-Y24 Termination Boxes 110

TB-V24A Termination Box 111



TB-001 Termination Box

Termination box TB-001 are suitable to connect the drop cable(or pigtails) to the raiser fibers splices. The termination box is for Indoor Wall Mounting.

Features

- ✓Light weight, small size, easy installation
- ✓Provide splice connection protection of fiber cable and pigtail
- ✓Made of engineering plastic material, which has mechanical strength reliable and long lasting
- ✓Slide-N-Lock fiber optic splice tray with its opening angle above 90°C
- ✓Therefore it is easy for installation and maintenance

TB-001 TB-001-8SC

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Number of entry exit ports	Number of Splice Trays	Max. Fiber Count	Adaptor Capacity
ALF-TB-001	264x154x56	3	4	48	Not available
ALF-TB-001-8SC		3	1	12	8 SC Simplex Adaptors

TB-002 Termination Box

Termination box TB-002 is suitable to connect the drop cables to the raiser fibers splices.It is also suitable to connect cable and pigtails. The termination box is for Indoor Wall Mounting.

Features

- ✓Light weight, small size, easy installation
- ✓Provide splice connection protection of fiber cable and pigtail
- ✓Made of engineering plastic material, which has mechanical strength reliable and long lasting
- ✓Slide-N-Lock fiber optic splice tray with its opening angle above 90°C
- ✓Therefore it is easy for installation and maintenance

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Number of entry exit ports	Number of Splice Trays	Max. Fiber Count	Max. Number of Pigtails
ALF-TB-002	197x110x44	2	2	24	12

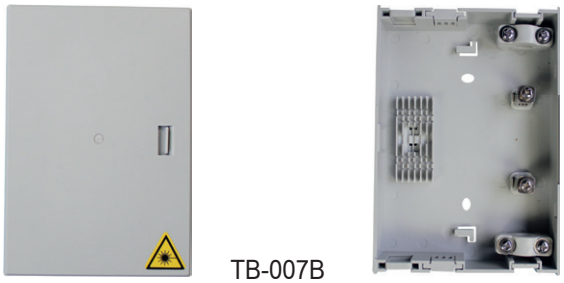
TB-007 Termination Box

TB-007 termination box is designed for FTTX application, which is suitable for jointing optical cables and pigtails, protects fiber optic splices and helps to distribute drop cables.

Features

✓ Light weight, small size, easy installation
✓ Provide splice protection of fiber cable and pigtail
✓ Made of engineer plastic, it is of nice shape
✓ Suitable for SC, FC or ST or duplex LC adaptor
✓ No need screws , it is easy to close and open

TB-007A



TB-007B

Specifications & Ordering Information

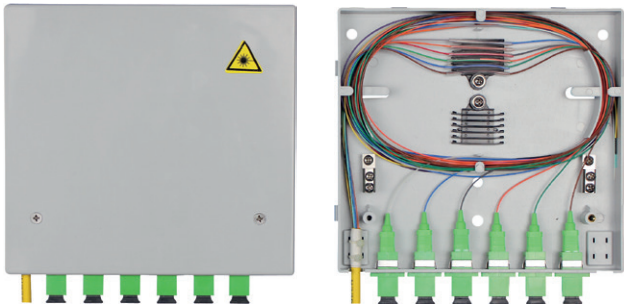
Order No	Dimensions LxWxH(mm)	Number of entry exit ports	Max Number of Adaptors	Max. Fiber Count	Max. Number of Pigtails
ALF-TB-007	152x107x31	2	4	12	12

TB-008 Termination

Termination Box TB-008 is suitable for jointing fiber cable and pigtail, it protects fiber optic splices and helps to distribute. The termination box is a Wall-Mounting type

Features

✓ Light weight, small size, easy installation
✓ Provide splice connection protection of fiber cable and pigtail
✓ Made of engineering plastic material
✓ Max. Capacity: 12 fibers
✓ Suitable for SC, duplex LC adaptors



Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Number of entry exit ports	Splice Capacity	Adaptor Capacity
ALF-TB-008-6SC	169x183x19	2	6 Splices	6 SC Simplex Adaptors
ALF-TB-008-6LCD		2	12 Splices	6 LC Duplex Adaptors

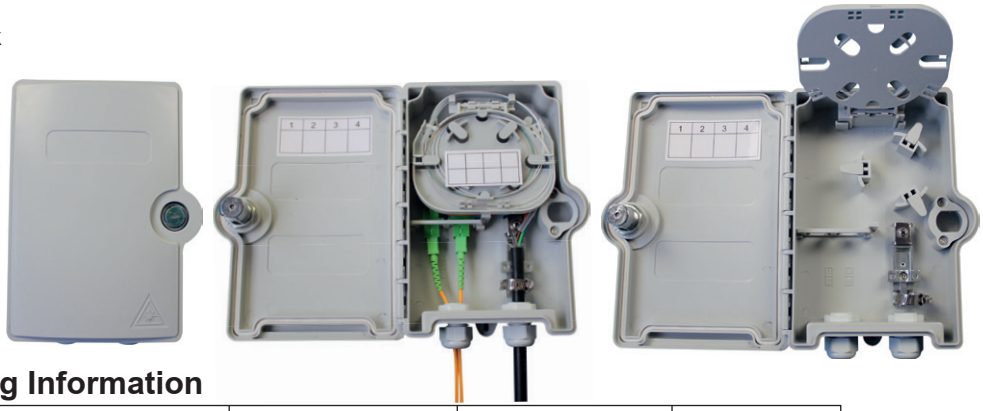
TB-C01 Termination Box

Features

- ✓ Construction-lightweight plastic offers strength and resistance to chemical and U.V attack
- ✓ Wall mounting or pole mounting
- ✓ Dimensions: 207 x 152 x51.7mm

Applications

- ✓ Widely used in FTTH access network
- ✓ Telecommunication Networks
- ✓ CATV Networks
- ✓ Data communications Networks
- ✓ Local Area Networks



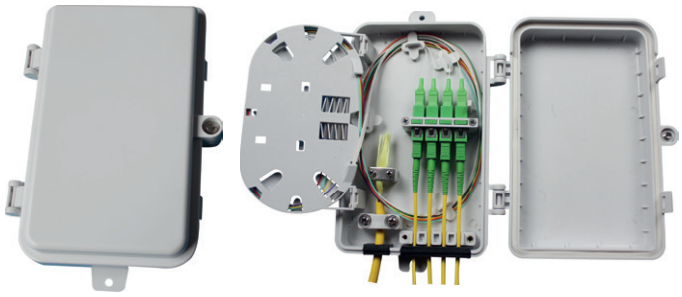
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Number of entry exit ports	Max. Number of Adaptors	PLC Splitter	Protection Class
ALF-TB-C01	207x152x51.7	2 cable ports (for cables with max diameter 12mm)	4 SC Simplex Adaptors	1x4 Splitter	IP55

TB-X04 Termination Box

Features

- ✓ Can hold 1x4 PLC splitter
- ✓ Up to 4 drop cable
- ✓ Up to 4 SC adaptors
- ✓ 1 inlet port(for cables with max diameter 8mm) 4 outlet ports
- ✓ Wall mounting
- ✓ Protection class: IP 55
- ✓ ROHS compliance
- ✓ Dimensions: 210mmx140mmx40mm
- ✓ Re-usable
- ✓ UV resistant and weather proof
- ✓ ROHS compliance



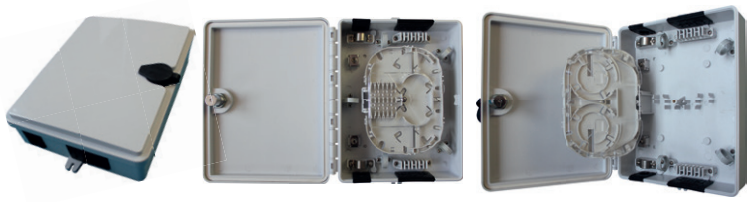
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Number of entry exit ports	Max. Number of Adaptors	PLC Splitter	Protection Class
ALF-TB-X04	210x140x40	1 inlet port (for cables with max diameter 8 mm) 4 outlet ports	4 SC Simplex Adaptors	1x4 Splitter	IP55

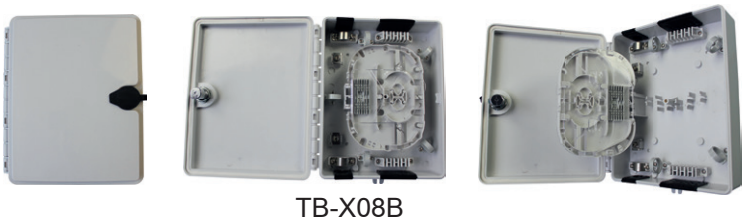
TB-X08 Termination Box

Features

- ✓ Compact design (260 x 195 x 63.5 mm)
- ✓ Free breathing box for indoor use
- ✓ In-line and butt configuration possible for main cable
- ✓ Wrap around cable seals for main cable and drops
- ✓ Not required to cut loop-through fibers from riser cable
- ✓ Window cuts as small as 70 mm possible with certain cable constructions
- ✓ Compatible with mechanical splice, and heat shrink protective sleeves
- ✓ LSZH material
- ✓ Transient free customer provisioning
- ✓ Drop cables are terminated individually
- ✓ Separate storage of un-connected fibers from spliced drop fibers
- ✓ Possibility to integrate PON splitters
- ✓ Main cable up to 15 mm diameter, Drop cable up to 3 mm diameter
- ✓ Easy drop cable termination on strain relief device



TB-X08A



TB-X08B

Application

Wall Mounting and Pole Mounting

Specifications & Ordering Information

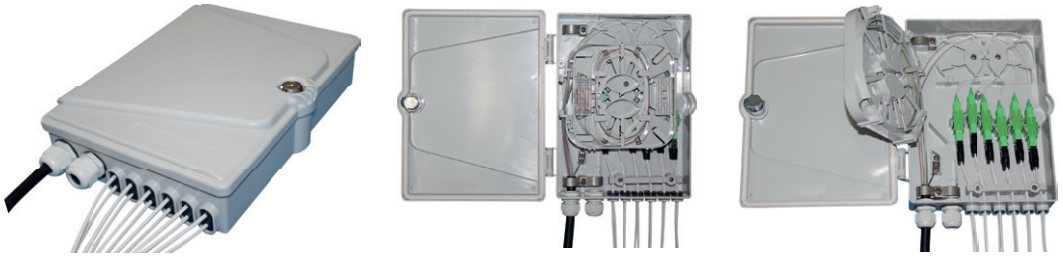
Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-X08A	260x195x63.5	2 cable ports (for cables with max diameter 15 mm) 16 drop cable ports (for Dropcable up to 3 mm diameter)	12 Splices	1x8, 1x16 PLC Splitter	8 SC Simplex Adaptors
ALF-TB-X08B			24 Splices	Not available	

TB-X12 Termination Box

Features

- ✓ Up to 12 drop cables
- ✓ Up to 12 Simplex SC adaptors
- ✓ Can accommodate 1 x 8 ,1 x 4 PLC Splitter
- ✓ Maximum capacity is 24F
- ✓ 2 main ports is for 1 loop cable or 2 cables with max Ø 12 mm.
- ✓ The reserved port is for cables with max Ø 12mm
- ✓ The 12 small ports, each port can hold 1 drop cable
- ✓ Bending radius > 30mm
- ✓ Outdoor use(IP 65)
- ✓ Designed for Wall and Pole mount applications
- ✓ Safety lock
- ✓ Rugged and durable construction for long term reliability (UV resistance)
- ✓ Design for small and medium volumes of fiber optic cables
- ✓ Re-usable
- ✓ ROHS compliance

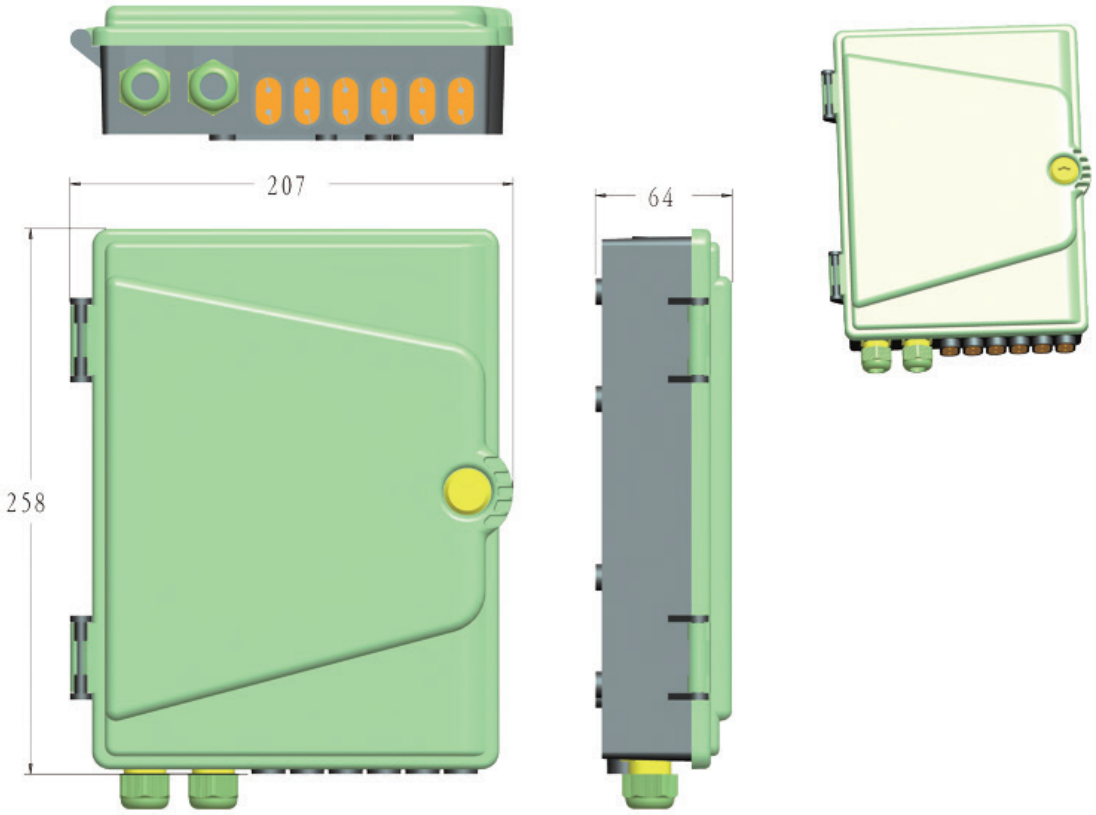
TB-X12A (with rubber seal)



TB-X12B (with cable gland)

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-X12A	258x207x64	2 rubber ports: each port for 1 cable with max 12 mm 1 reserved port for 1 cable with max 12 mm	24 Splices	1x4, 1x8 PLC Splitter	12 SC Simplex or 12 LC Duplex Adaptors
ALF-TB-X12B		2 cable gland: each port for 1 cable with max 12 mm 1 reserved port for 1 cable with max 12 mm			



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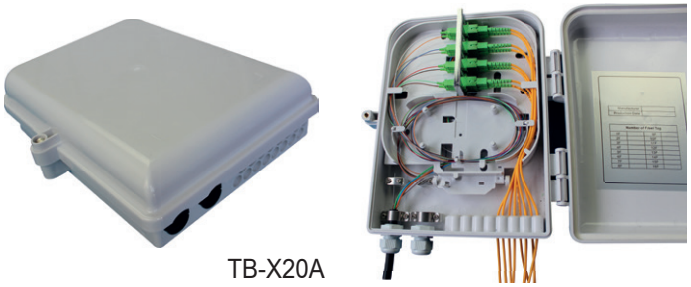
TB-X20 Termination Box

Features

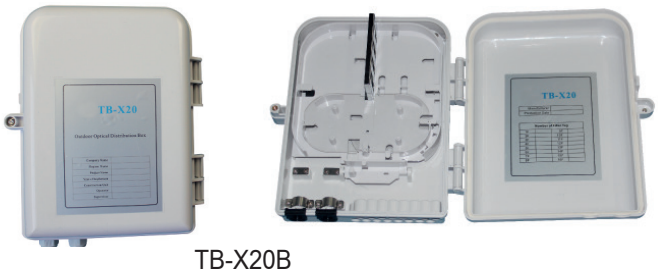
- ✓ Can accommodate 1x8 & 1X16 PLC splitter
- ✓ UV and weather proof
- ✓ Up to 16 FTTH drops
- ✓ Wall and pole mountable
- ✓ 2 inlet ports(for cables with max diameter 12mm), 16 outlet ports
- ✓ Protection class: TB-X20A: IP 65, TB-X20B: IP 54
- ✓ ROHS compliance

Applications

- ✓ FTTH access network
- ✓ Telecommunication Networks
- ✓ CATV Networks
- ✓ Data communications Networks
- ✓ Local Area Networks



TB-X20A



TB-X20B

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-X20A	320x260x90	2 cable gland: each port for 1 cable with max 12 mm 16 drop cable ports	16 Splices	1x8, 1x16 PLC Splitter	16 SC Simplex Adaptors
ALF-TB-X20B		2 rubber ports: each port for 1 cable with max 12 mm 16 drop cable ports			

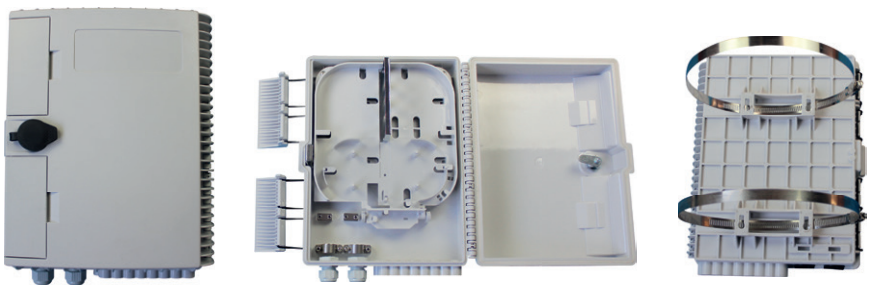
TB-X21 Termination Box

Features

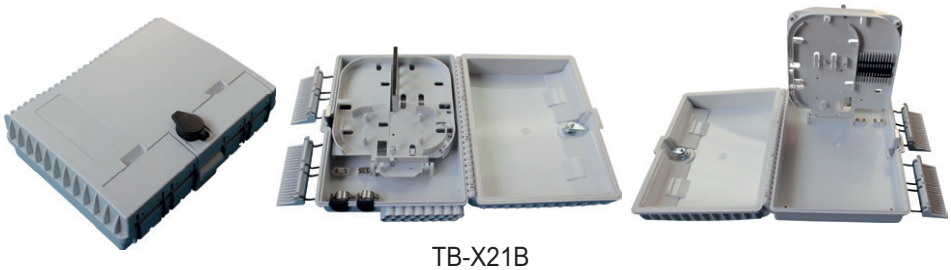
- ✓ Accommodate 1x8-1x16PLC Splitter
- ✓ Anti-UV (Ultra Violet)
- ✓ Waterproof
- ✓ Up to 16 FTTH Drops
- ✓ 2 inlet ports, 16 outlet ports
- ✓ Accommodate SC /LC Adaptor
- ✓ It is applicable for wall-mounted, indoor or outdoor
- ✓ Max capacity(F): 16

Applications

- ✓ FTTH access network
- ✓ Telecommunication Network
- ✓ CATV Networks
- ✓ Data communicatons Network
- ✓ Local Area Networks
- ✓ Wall-mounted, Indoor or Outdoor



TB-X21A



TB-X21B

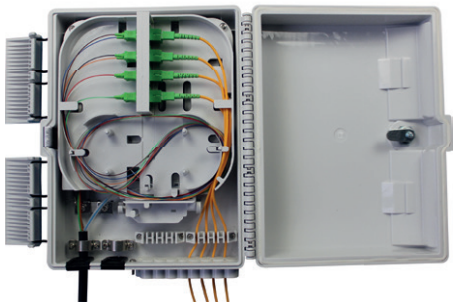
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-X21A	315x236x100	2 cable gland: each port for 1 cable with max 12 mm 16 drop cable ports	16 Splices	1x8, 1x16 PLC Splitter	16 SC Simplex Adaptors
ALF-TB-X21B		2 rubber ports: each port for 1 cable with max 12 mm 16 drop cable ports			

TB-X21D Termination Box

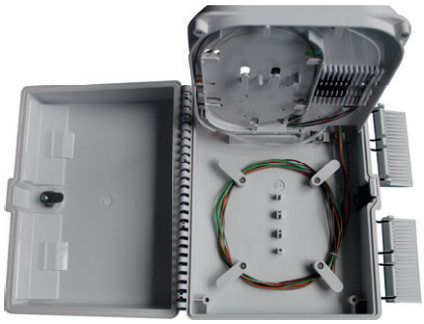
Features

- ✓Accommodate 1x8-1x16PLC Splitter
- ✓Anti-UV (Ultra Violet)
- ✓Waterproof
- ✓Up to 16 FTTH Drops
- ✓2 inlet ports, 16 outlet ports
- ✓Accommodate SC /LC Adaptor
- ✓It is applicable for wall-mounted,indoor or outdoor
- ✓Max capacity(F): 16



Applications

- ✓FTTH access network
- ✓Telecommunication Network
- ✓CATV Networks
- ✓Data communicatons Network
- ✓Local Area Networks
- ✓Wall-mounted, Indoor or Outdoor



TB-X21D

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-X21D	315x236x108.5	2 cable ports(for cables with max 16 mm) 16 drop cable ports	16 Splices	1x8, 1x16 PLC Splitter	16 SC Simplex Adaptors

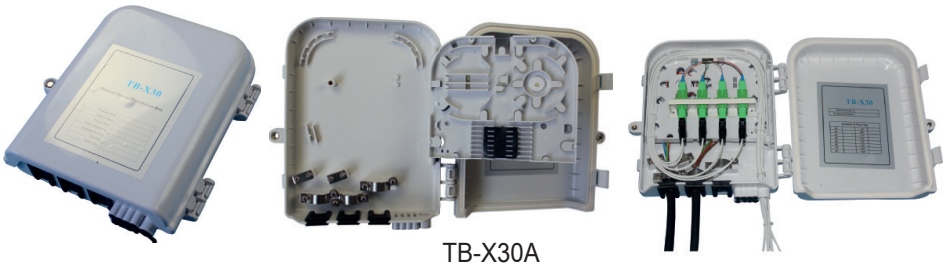
TB-X30 Termination Box

Features

- ✓ Resistance to chemical and U.V attack
- ✓ Wall mounting or pole mounting.
- ✓ ROHS Compliance

Applications

- ✓ Widely used in FTTH access network
- ✓ Telecommunication Networks
- ✓ CATV Networks
- ✓ Data communications Networks
- ✓ Local Area Networks



TB-X30A

TB-X30B

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-X30A	233x204x60	3 cable ports(for cables with max 12 mm) 8 drop cables ports	8 Splices	1x4, 1x8 PLC Splitter	8 SC Simplex Adaptors
ALF-TB-X30B	247x204x70	2 cable ports(for cables with max 12 mm) 12 drop cables ports	12 Splices	1x4,1x8, 1x16 PLC Splitter	12 SC Simplex Adaptors

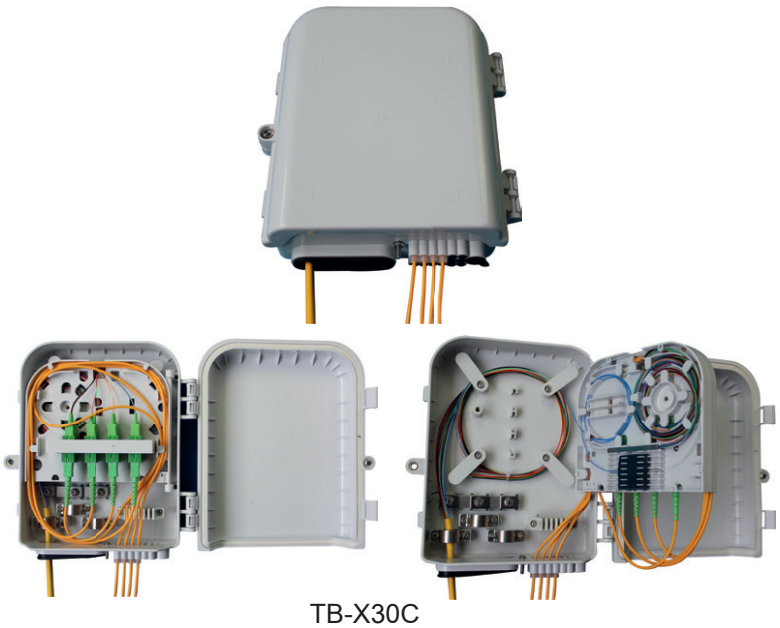
TB-X30C Termination Box

Features

✓ Accommodate 1x4-1x8PLC Splitter
✓ Anti-UV(Ultra Violet)
✓ Up to 12 FTTH Drops
✓ 3 inlet ports, 12 outlet ports
✓ Accommodate SC /LC Adaptor
✓ It is applicable for wall-mounted,indoor or outdoor
✓ Max capacity(F):12
✓ ROHS compliance

Applications

✓ Widely used in FTTH access network
✓ Telecommunication Networks
✓ CATV Networks
✓ Data communications Networks
✓ Local Area Networks



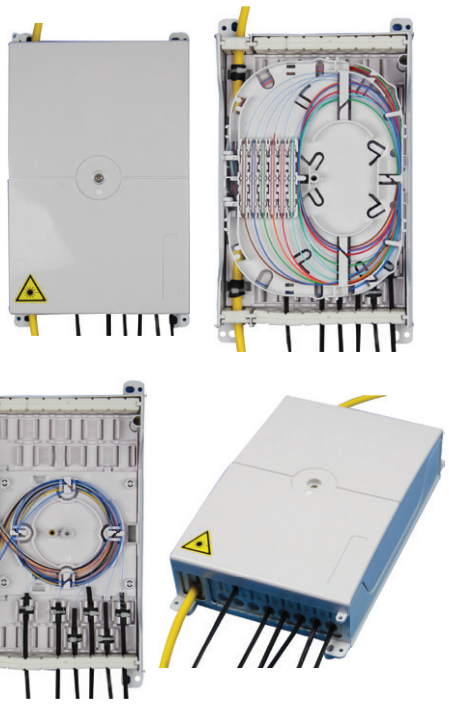
TB-X30C

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-X30C	233x204x77	3 cable ports(for cables with max 14 mm) 12 drop cables ports	12 Splices	1x4, 1x8 PLC Splitter	12 SC Simplex Adaptors

TB-X40 Termination Box

Termination box TB-X40 allows to break out fiber from certain riser cable by making a window cut not larger than 70 mm, without interrupting the strength member to connect the drop cable to the raiser cable by fiber splices.



Features

✓ Compact design (126 x 200 x 50 mm)
✓ Free breathing box for indoor use
✓ In-line and butt configuration possible for main cable
✓ Wrap around cable seals for main cable and drops
✓ Not required to cut loop-through fibers from riser cable
✓ Window cuts as small as 70 mm possible with certain cable constructions
✓ Compatible with mechanical splice, and heat shrink protective sleeves
✓ LSZH material
✓ Transient free customer provisioning
✓ Drop cables are terminated individually
✓ Separate storage of un-connected fibers from spliced drop fibers
✓ Possibility to integrate PON splitters
✓ Main cable up to 11 mm diameter, Drop cable up to 6 mm diameter
✓ Easy drop cable termination on strain relief device

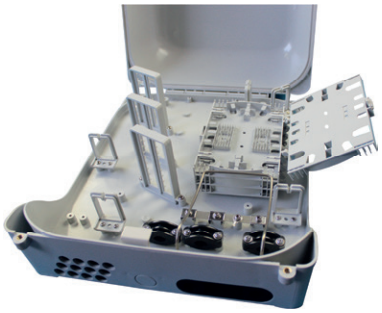
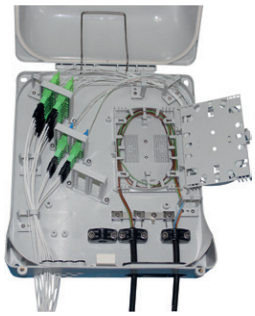
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Protection Class
ALF-TB-X40A	233x204x60	3 cable ports(for cables up to 11 mm) 16 drop cables ports(for Dropcable up to 6 mm	12 Splices	1x8, 1x16 PLC Splitter	IP54
ALF-TB-X40B	200x126x50		24 Splices	Not available	

TB-X48A Termination Box

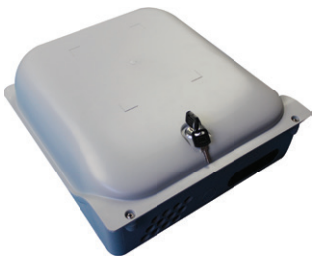
Features

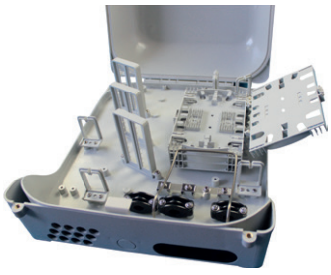
✓ Up to 48 drop cables
✓ Up to 54 Simplex SC adaptors
✓ Can accommodate up to 6 pieces 1 x 8, 1 x 16 or 1 x 32 PLC Splitter
✓ Maximum capacity is 144F(6 trays)
✓ The maximum capacity of splice trays is 24 fibers
✓ The oval port is for 1 loop cable or 2 cables with max Ø 20 mm
✓ The reserved port is for cables with max Ø 18 mm
✓ The twelve ports with diameter Ø 14 mm, each port can hold 4 drop cables
✓ Bending radius > 30mm
✓ Outdoor use(IP 65)
✓ Designed for Wall and Pole mount applications
✓ Safety lock
✓ Rugged and durable construction for long term reliability (UV resistance)
✓ Design for small and medium volumes of fiber optic cables
✓ Re-usable
✓ ROHS compliance
✓ Dimensions 398 mm x 327 mm x 118 mm (L x W x H)

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-X48A	398x327x118	The oval port is for 1 loop cable or 2 cables with max 20 mm The reserved port is for cables with max 18 mm The twelve ports with diameter 14 mm each port can hold 4 drop cables, totally 48 drop cables	144 Splices (6x24 splices)	up to 6 pcs 1x8, 1x16 or 1x32 Splitter	IP54

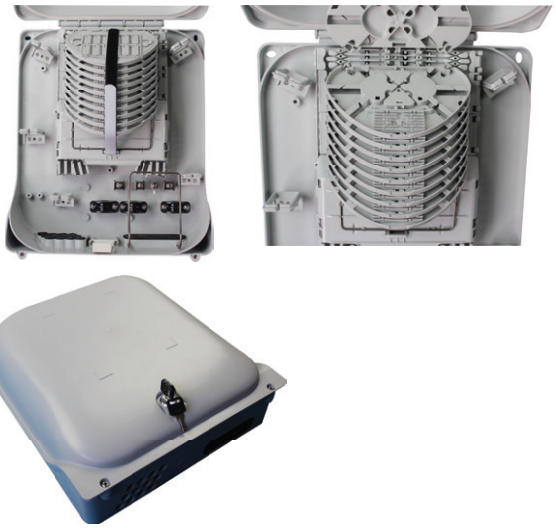




TB-X48B Termination Box

Features

- ✓ Outdoor use
- ✓ Designed for Wall and Pole mount applications
- ✓ Safety lock
- ✓ IP 65
- ✓ Accepts loose tube, distribution cables
- ✓ Bend radius protection
- ✓ Rugged and durable construction for long term reliability (UV resistance)
- ✓ Resistance to vibration and shock
- ✓ Door with secure mechanism
- ✓ Can accommodate up to many pieces 1 x 8 or 1 x 16 PLC Splitter
- ✓ Up to 48 drop cables
- ✓ Design for small and medium volumes of fiber optic cables
- ✓ Max. 120 fibers(10 pcs of SE trays) Max. 80 fibers(20 pcs of SC trays)



Applications

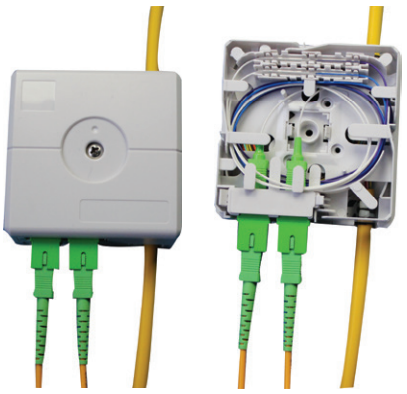
- ✓ Telecommunications Networks
- ✓ FTTH Access Networks
- ✓ CATV Networks
- ✓ Local Area Networks
- ✓ Data communication Networks
- ✓ Outdoor Applications

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity
ALF-TB-X48B	398x327x118	The oval port is for 1 loop cable or 2 cables with max 20 mm The reserved port is for cables with max 18 mm The twelve ports with diameter 14 mm each port can hold 4 drop cables, totally 48 drop cables	120 Splices(10 pcs of SE trays: 10x12 Splices) 80 Splices(20 pcs of SC trays: 20x4 Splices)

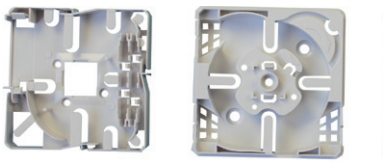
TB-X50 Termination Box

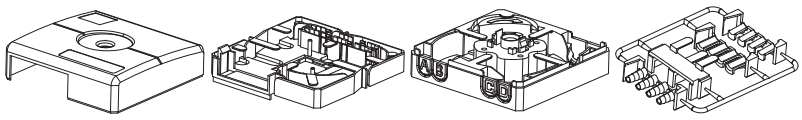
The TB-X50 is a small size indoor fiber distribution box to allow to break out fibers from a riser cable to individual drop cable that bring the fiber from this point to the living units of an MDU. The TB-X50 is designed for riser cables that allow access through a small window cut or incision. For cable constructions that require larger window cuts, fiber overlength can be stored in the base module. To connect the drop fibers to the riser fibers both splices and connector can be used. The splice splice capacity of the TB-X50 splice module is 4 splices.



Features

- ✓ Very compact enclosure with dimensions (WxHxD): 80mm x 80mm x 35mm for integration into small sized floor boxes
- ✓ Window cuts as small as 50mm possible with specific cable constructions such as the Mini-breakout cable
- ✓ Drop cables can be directed to 4 different sides by rotating the splice module on the base module
- ✓ Free breathing enclosure for indoor use
- ✓ Front accessible
- ✓ Wrap around riser cable installation
- ✓ Not required to cut loop-through fibers from riser cable
- ✓ Can hold 4 LC connectors or 2 SC connectors
- ✓ Compatible with mechanical splice, heat shrink protectors in the same splice holder
- ✓ Drop cable diameter up to 5mm
- ✓ Main cable diameter up to 10,5mm



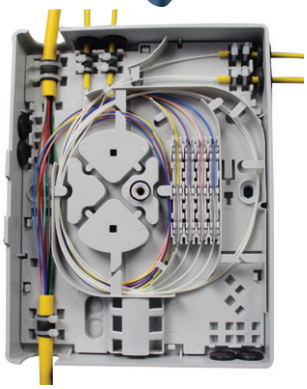


Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	Description
ALF-TB-X50-NN	80x80x35	Main Cable port (for cables up to 10.5 mm) Drop cable port(for Dropcable up to 5 mm)	Up to 4 Splices	Without connectors, splices with 4 drop cables directly
ALF-TB-X50-2SC				Can hold 2 SC Simplex Adaptors
ALF-TB-X50-4LC				Can hold 2 LC Duplex Adaptors

TB-X100 Outdoor(Indoor) Termination Box

This box is typically used as a transition point where the cable is spliced to an indoor cable.



Features

- ✓ Compact enclosure(168x132x33mm)
- ✓ The box allows the installation of fibers with a minimum bend radius of 25 mm over a length of 2 m
- ✓ In-line and butt configuration possible for main cable
- ✓ Universal splice holder for 8 splices: fusion splice, mechanical splice
- ✓ Ready for PLC splitter installation
- ✓ Cable inlet is provided at the bottom left side. Optionally the main cable can continue at the top left side
- ✓ Wrap around pass-through
- ✓ Cable outlet ports (max. 2 cables) are provided at 5 sides: left, right, top, bottom, back
- ✓ IP rating , vertically mounted: IP43 (not for inline application: IP40).
- ✓ Impact rating: IK08
- ✓ UV resistant
- ✓ Standard colour: RAL7035 grey
- ✓ Gasventing provided
- ✓ Locking with screw, optionally security seal
- ✓ Main cable up to 12 mm diameter
- ✓ Drop cable up to 5 mm diameter

Kit content

Box with base, fiber organizer, cover
Main cable seal + tie wraps + foam
Drop cable seals for 2 drops and cable fixation accessories
Universal splice holder for 8 splices (fusion splice, mechanical splice)

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter
ALF-TB-X100	168x132x33	Outlet ports(max 2 cables) are provided at 5 sides: left, right, top, bottom, back	8 Splices	Ready for PLC Splitter installation

TB-Y24 Termination Box

Multipurpose fiber optic distribution-termination box TB-Y24 is used to provide a flexible platform to address the multitude of applications that exist in residential and commercial FTTx installations. Can be deliver with pre-installed SC adaptors. Easy to install and is capable of being mounted directly to standard electrical junction boxes or directly to wall. The box interior can be configured to address slack storage, splicing, cross connect, hardened adaptor applications or any combination. The Termination box kit includes all the necessary accessories–parts for complete box installation.

Features

- ✓ Outdoor use
- ✓ Designed for Wall and Pole mount applications
- ✓ Safety lock
- ✓ Available only for SC adaptors (up to 24 Simplex SC adaptors)
- ✓ IP 65
- ✓ Accepts loose tube, distribution cables
- ✓ Bend radius protection
- ✓ Rugged and durable construction for long term reliability (UV resistance)
- ✓ Resistance to vibration and shock
- ✓ Door with secure mechanism
- ✓ Can accommodate up to 4 pieces 1x8 or 1x16 PLC Splitter
- ✓ Up to 24 drop cables
- ✓ Design for small and medium volumes of fiber optic cables
- ✓ Whole front operation
- ✓ Convenient for expansion of capacity
- ✓ Re-usable
- ✓ Sheath retention & central strength member termination system included
- ✓ ROHS compliance

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-Y24	306.7x245x81	3 main ports: each port is max diameter 16 mm Twenty-four(24) drop cable ports with diameter 8 mm	96 Splices (4x24 Splices)	Up to 4 pieces 1x8 or 1x16	24 SC Simplex Adaptors

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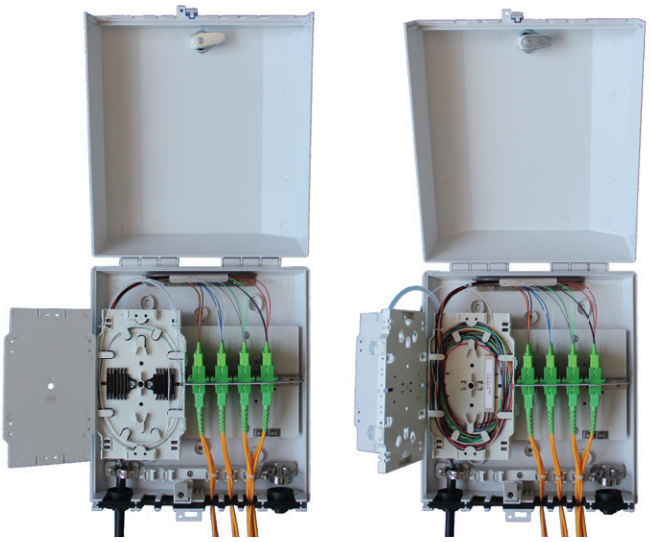
TB-V24A Termination Box

Multipurpose fiber optic termination box TB-V24A is used to provide a flexible platform to address the multitude of applications that exist in residential and commercial FTTx installations. Can be deliver with pre-installed SC adaptors. Easy to install and is capable of being mounted directly to standard electrical junction boxes or directly to wall. The box interior can be configured to address slack storage, splicing, cross connect, hardened adapter applications or any combination.
The Distribution box kit includes all the necessary accessories –parts for complete box installation.

Features

- ✓ Outdoor use
- ✓ Designed for Wall mount applications
- ✓ Safety lock
- ✓ Available only for SC adaptors (up to 24 Simplex SC adaptors)
- ✓ Accepts loose tube, distribution cables
- ✓ Bend radius protection
- ✓ Rugged and durable construction for long term reliability (UV resistance)
- ✓ Resistance to vibration and shock
- ✓ Door with secure mechanism
- ✓ Design for small and medium volumes of fiber optic cables
- ✓ Whole front operation
- ✓ Convenient for expansion of capacity
- ✓ Re-usable
- ✓ Sheath retention & central strength member termination system included
- ✓ ROHS compliance



Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	PLC Splitter	Adaptor Capacity
ALF-TB-V24A	272.5x235x84.5	2 inlet cable ports(for cables with max diameter 24.5 mm)	48 Splices (4x12 Splices)	1x8, 1x16 PLC Splitter	24 SC Simplex Adaptors

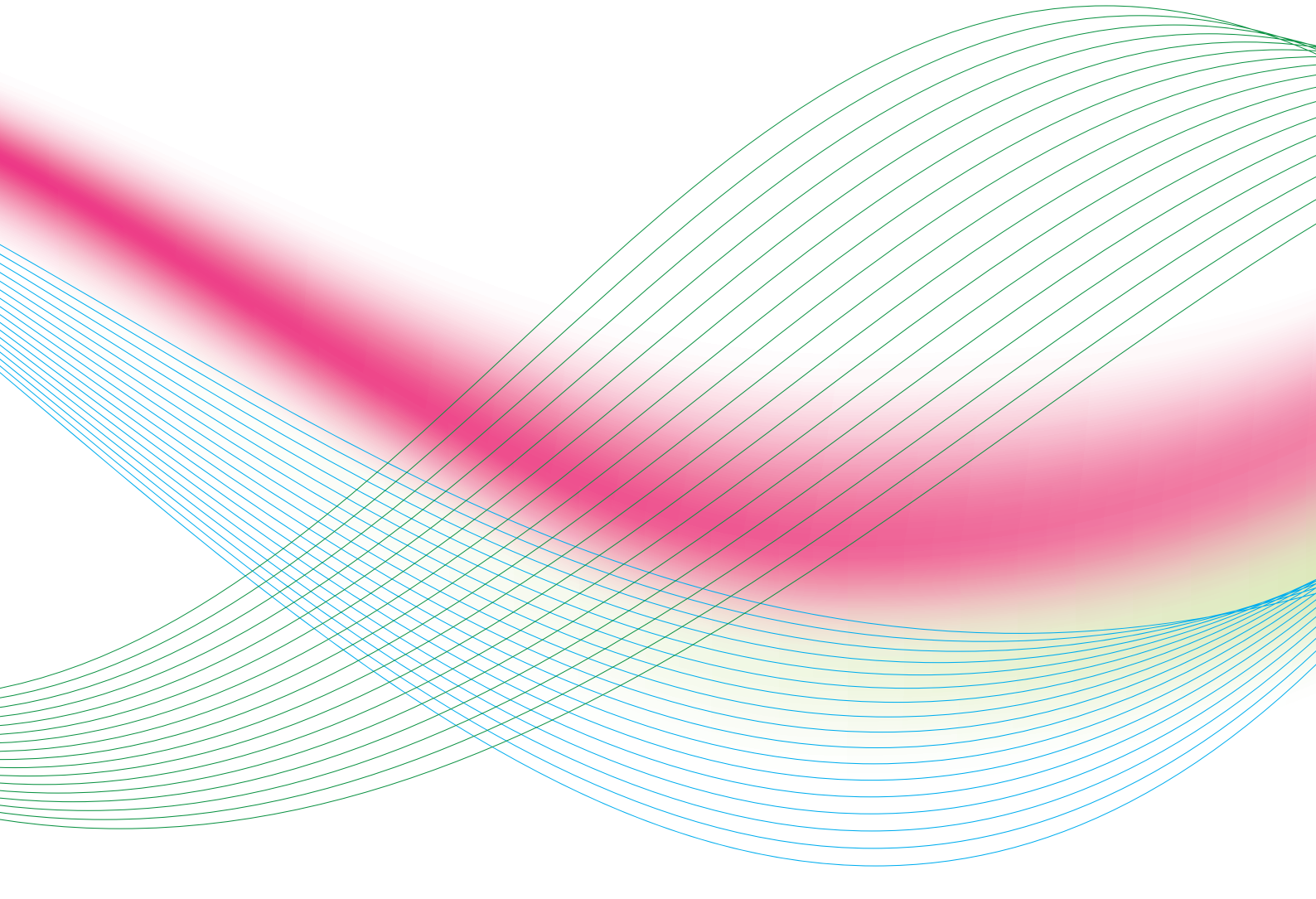
FTTH Series Outlets & Boxes

FH-001 & FH-108 Wall Outlets 113

FH-208 & FH-308 Wall Outlets 114

FH-408 & FH-508 FTTH Termination Boxes 115

FH-TO Enclosure & TB-GPX FTTH Termination Box 116



FH-001 Wall Outlet

Wall outlet FH-001 is designed for use in residential and business applications for the termination of up to 2 fibers. It can hold max 2 SC adaptors. The unit can be quickly installed within an office or house.

Features

- ✓ Economic design
- ✓ Ability to allow cables to enter from both sides of the unit
- ✓ Removable cover for easy access
- ✓ Compact, low profile, wall mounted unit used for small and large business premises

Technical Data

Number of input cable ports: 4
Maximum input cable diameter(mm):5mm
Maximum Capacity: 2 fibres
Dimension: 86 mm x 86 mm x19mm

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	Adaptor Capacity
ALF-FH-001	86x86x19	4 Cable ports (for cables with max diameter 5 mm)	2 Splices	2 SC Simplex Adaptors

FH-108 Wall Outlet

Wall outlet FH-108 is a compact fiber terminal for use at the final fiber termination point in the customer premises. The FH-108 provides mechanical protection and managed fiber control in an attractive format suitable for use inside customer premises. A variety of possible fiber termination techniques are accommodated.

Features

- ✓ Splicing to factory terminated pigtails
- ✓ Positive fiber management
- ✓ Direct termination with field installable connectors
- ✓ Attractive design for indoor use
- ✓ Can hold up to 4 mechanical splices and fusion splice protectors and mechanical SC connectors can be integrated as well
- ✓ Splice cable to cable
- ✓ Compatible with 2 SC Simplex adaptors
- ✓ Multiple cable entry points (cable diameter ≤ 6mm)
- ✓ Can be wall mounted and mounted on wall boxes with fixation points of 60mm

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	Adaptor Capacity
ALF-FH-108	105.6x82.5x23.3	2 Cable ports (for cables with max diameter 6 mm)	4 Splices	2 SC Simplex or 2 LC Duplex Adaptors

FH-208 Wall Outlet

Wall outlet FH-208 is a very compact wall outlet for maximum 2 FO connectors and 1 RJ-45 or RJ-11 Cu connector. The box provides mechanical protection for the fiber and permits appropriate access while maintaining the highest standards of fiber management. The box is typically used at the customer premises in the termination part of the access network.

Features

- ✓ Can be used flush mount or surface mount
- ✓ Compatible with almost any standard electricity box
- ✓ Compatible with 250 micron and 900 micron fiber types
- ✓ Innovative, removable fiber organizer system facilitates an easy installation in the field
- ✓ Fiber can be terminated using field installable connectors, fusion splices
- ✓ Guaranteed minimum bending radius of 20mm
- ✓ One SC or duplex LC connector footprint
- ✓ Splice-through function allows moving the FO access point to any other point in the premise
- ✓ Provide a clean upgrade path for your indoor wiring by starting off with Cu and use the wall plug in combination with indoor Fi/Cu cabling
- ✓ Environmental friendly materials, low smoke zero halogen
- ✓ Cable entry points : back, bottom, side

Specifications & Ordering Information

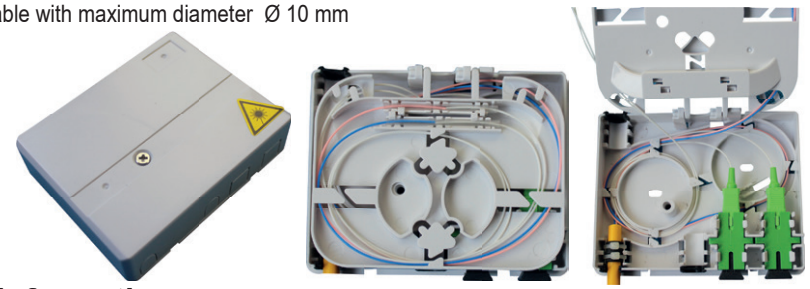
ALF-FH-208-[X][XX]-[X] RJ[X]-[X]

- [XX] FO adaptor type
  - S1, SC/APC
  - S2, SC/PC
  - L1, LC/APC
  - L2, LC/PC
- [X] Numbers of pigtails
  - 0
  - 1
  - 2(LC only)
- [X] Numbers of RJ connector
  - 0
  - 1
- [X] Type of RJ connector
  - 1, RJ11 and holder
  - 4, RJ14 and holder
  - 0, no RJ connector holder
- [X] Extension kit
  - E, Extension kit
  - N, No Extension kit

FH-308 Wall outlet

Features

- ✓ Ergonomically design, compact design,
- ✓ Ability to allow cables to enter from rear or bottom of the unit
- ✓ Removable cover for easy access
- ✓ Indoor use for Wall mounted unit used for small and large business premises
- ✓ Easily re-enter with a minimum of tools, saves time and cost
- ✓ Up to 4 cores(heat shink protective sleeve) or 2 cores(3M mechanical splices)
- ✓ Can hold 2 SC simplex adaptor or 2 LC duplex adaptor
- ✓ Can be used for Blown Tube cable or common cables
- ✓ Three (3) cable ports, each port for one cable with maximum diameter Ø 10 mm
- ✓ ROHS compliance



Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	Adaptor Capacity
ALF-FH-308	108.5x85x27	3 Cable ports (for cables with max diameter 10 mm)	4 cores(heat shink protective sleeve) or 2 cores(3M mechanical splices)	2 SC Simplex or 2 LC Duplex Adaptors

FH-408 FTTH Termination Box

FH-408 termination box is designed for use in residential and business applications. It can hold 1SC adaptor, 1RJ45 and 1RJ11. The unit can be quickly installed in office house or communication room.

Features

- ✓ Ability to allow cables to enter from both sides of the unit
- ✓ Removable cover for easy access Compact, low profile, wall mounted unit used for small and large business premises

Technical Data

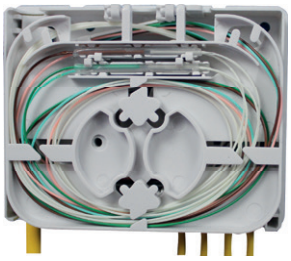
Number of input cable ports: 4
Maximum Capacity: 2 fibers
Dimension: 86 mm x 86 mm x30.5mm

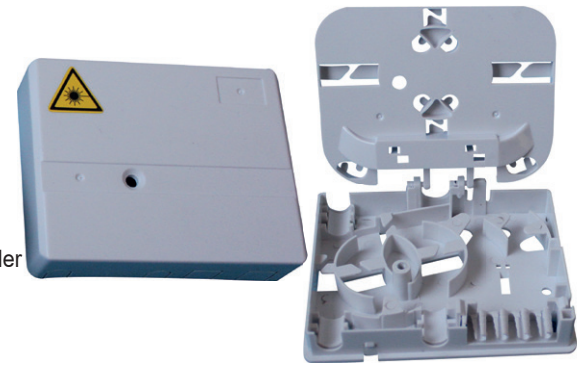
Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	Adaptor Capacity
ALF-FH-408	86x86x30.5	4 Cable ports (for cables with max diameter 5 mm)	2 Splices	1 SC Simplex Adaptors, 1 RJ45 and 1 RJ11

FH-508 FTTH Termination Box

The FH-508 is a small size termination box to allow to break out fibers from a riser cable to individual drop cable that bring the fiber from this point to the living units of an MDU. The FH-508 is designed for riser cables that allow access through a small window cut or incision. For cable constructions that require larger window cuts, fiber overlength can be stored in the base module. To connect the drop fibers to the riser fibers both splices and connector can be used. The splice capacity of the FH-508 splice module is 4 splices.





Features

- ✓ Very compact enclosure with dimensions
- ✓ Window cuts as small as 50mm possible with specific cable constructions such as the Mini-breakout cable
- ✓ Free breathing enclosure for indoor use
- ✓ Front accessible
- ✓ Wrap around riser cable installation
- ✓ Not required to cut loop-through fibers from riser cable
- ✓ Can hold 4 LC connectors or 2 SC connectors
- ✓ Compatible with mechanical splice, heat shrink protectors in the same splice holder
- ✓ Drop cable diameter up to 5mm
- ✓ Main cable diameter up to 10,5mm

Kit Content

✓ Base module for main cable management ✓ Splice module ✓ Cover ✓ Main and drop cable fixation accessories

Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	Adaptor Capacity
ALF-FH-508	108.5x85x27	Drop Cable diameter up to 5 mm Main Cable diameter up to 10 mm	4 Splices	2 SC Simplex or 2 LC Duplex Adaptors

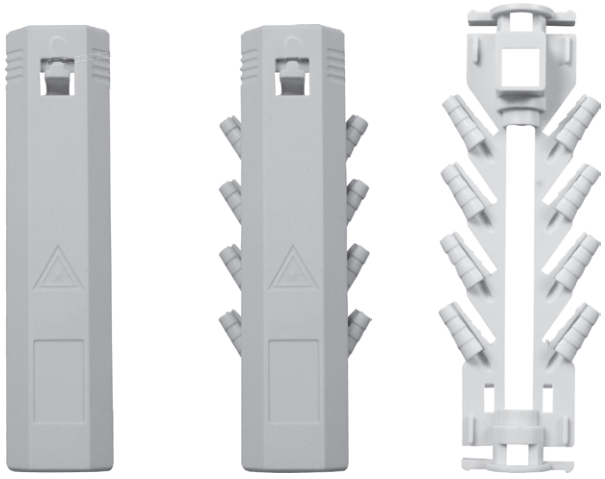
FH-TO Enclosure

Tap-off enclosure for Mini-Breakout riser cable

FH-TO is an enclosure to cover the incision in the Mini-Breakout cable with 12 and 24 fibers.
As Mini-Breakout cable allows to retract specific fiber from the cable at each floor, FH-TO provide a safety space for tapping off fibers from Mini-Breakout cable and protects the transition.

Features

✓Very compact size
✓Capacity to tap off at least 8 fibers (4left/4right)
✓Restores the integrity of Mini-Breakout cable after making an incision for fiber access
✓Mini-Breakout cable incision of only 55 mm
✓Designed for indoor use
✓Flame retardant LSZH material
✓Front accessible



Kit Contents

Base
Cover
Cable fixation accessories

Accessories

✓Fiber guiding tubing
✓Tubing fixation booth

For more technical options and order quantity information, please contact sales department

TB-GPX FTTH Termination Box

TB-GPX Termination Box is designed for use in residential and business applications for the termination of up to four fibers. The wall box enables the installation of either a single Blown Tube cable using up to a 4 fiber blown unit or two 2 fiber ruggedised cables to be spliced to four SC pigtails (PC or APC), which connect to adaptors at the base of the unit. The unit can be quickly installed within an office, house or communication room environment.

Features

✓Ergonomic design
✓Ability to allow cables to enter from rear or bottom of the unit
✓All fibers are positively managed to maintain a 30mm minimum bend radius
✓Optional Removable rear entry cable management
✓Flip tray to allow access to pigtails and cable entry
✓Compact, low profile, wall mounted unit used for small and large business premises
✓Removable cover for easy access
✓Flame retardant LSZH material
✓Patchcords exit unit on bottom face and are protected by two protection covers
✓Standard color white. Other colors available on request

Kit Contents

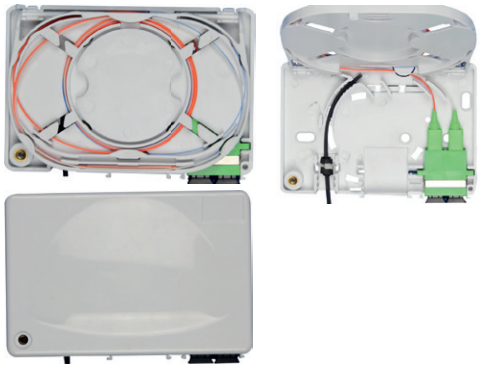
The TB-GPX Termination Box is supplied with all of the components required to complete the installation of one Blown Fibre input cable, 4 splice protectors are supplied in the kit

Optional Items

(if required as separate items)
✓Patchcords
✓Adaptors
✓Pigtails
✓Security Screw Kit

Technical Data

✓ Number of input cable ports:1
✓ Maximum input cable diameter (mm):10mm
✓ Maximum Capacity: 4 Fibers
✓ Maximum no. of customer feeds: 4 Patchcords
✓ Required space envelope (mm):(l) 80 x (w) 120 x (d) 25
✓ Operating temperature:-20oC to + 50oC (5 to 95% RH)



Specifications & Ordering Information

Order No	Dimensions LxWxH(mm)	Cable Ports	Spliced Fiber Storage Capacity	Adaptor Capacity
ALF-TB-GPX	80x120x25	1 Cable ports (for cable with max diameter 10 mm)	4 Splices	2 SC Duplex Adaptors

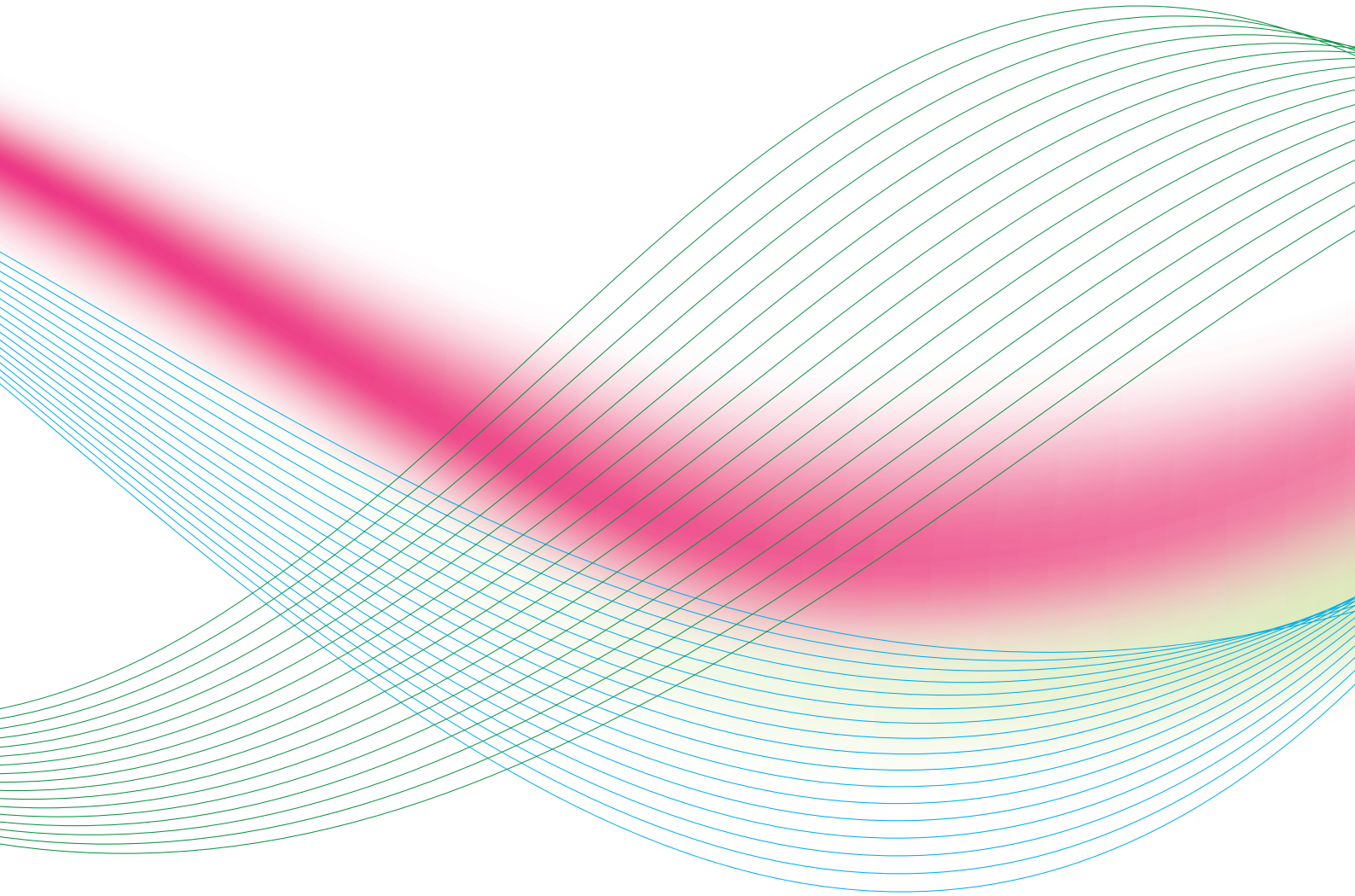
Telecom Cabinets

AlfaCab FTTX-01 118

AlfaCab FTTX-02 121

AlfaCab FTTX-03 124

AlfaCab FTTX-04 127



AlfaCab Series

FTTX-01

The FTTX-01 cabinet is integrated with service, power supply, monitoring, temperature control, and cable distribution units. The compact design requires less installation costs and space. They can be installed quickly on site to satisfy the demand for quick networking.The sealed design protects the FTTX-01 cabinet against dust, moisture, and rain and ensures reliable running in harsh environment.The FTTX-01 cabinet shell is the rust-protection steel plate with the coating of polyester powder, well protecting the cabinet against corrosion. The coating color is RAL7035, which helps effectively reduce the solar absorptivity.

Features

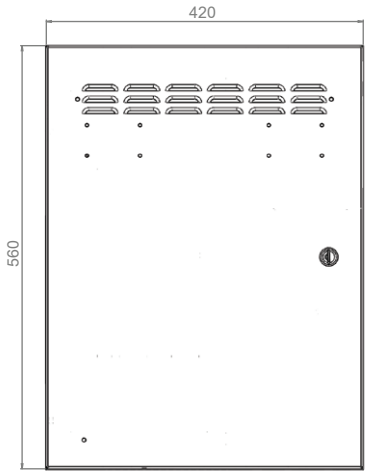
- ✓ Compatible for all brands 1RU Dslam/MDU/Ethernet Switches
- ✓ Water-proof and dust-proof performance, meeting requirements of the IP55(Outdoor) and IP54(Indoor) protection level
- ✓ Natural air circulations with hot air outlet hood
- ✓ Wall or pole mount options

Specifications

- ✓ Welded Cold Rolled Steel Construction
- ✓ Durable textured powder coat finish RAL7035
- ✓ EMC and Anti-attack performance
- ✓ Hinged and easy openable equipment housing panel
- ✓ Compliant to RoHS

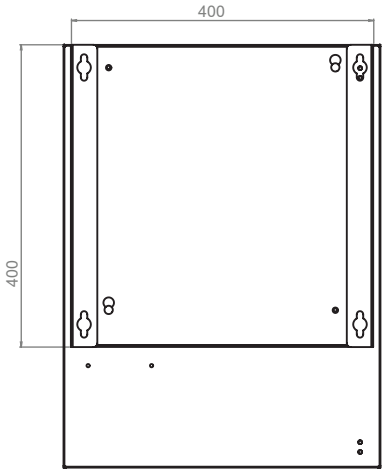
Applications

- ✓ Telecommunications Networks
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Data Communications
- ✓ Outdoor or Indoor Applications

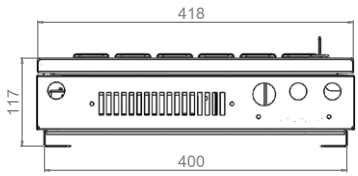


FRONT VIEW

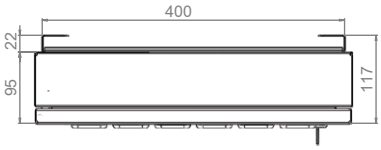
SIDE VIEW



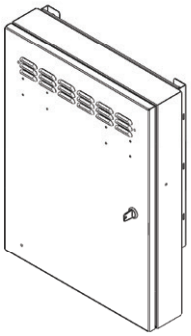
BACK VIEW



BOTTOM VIEW

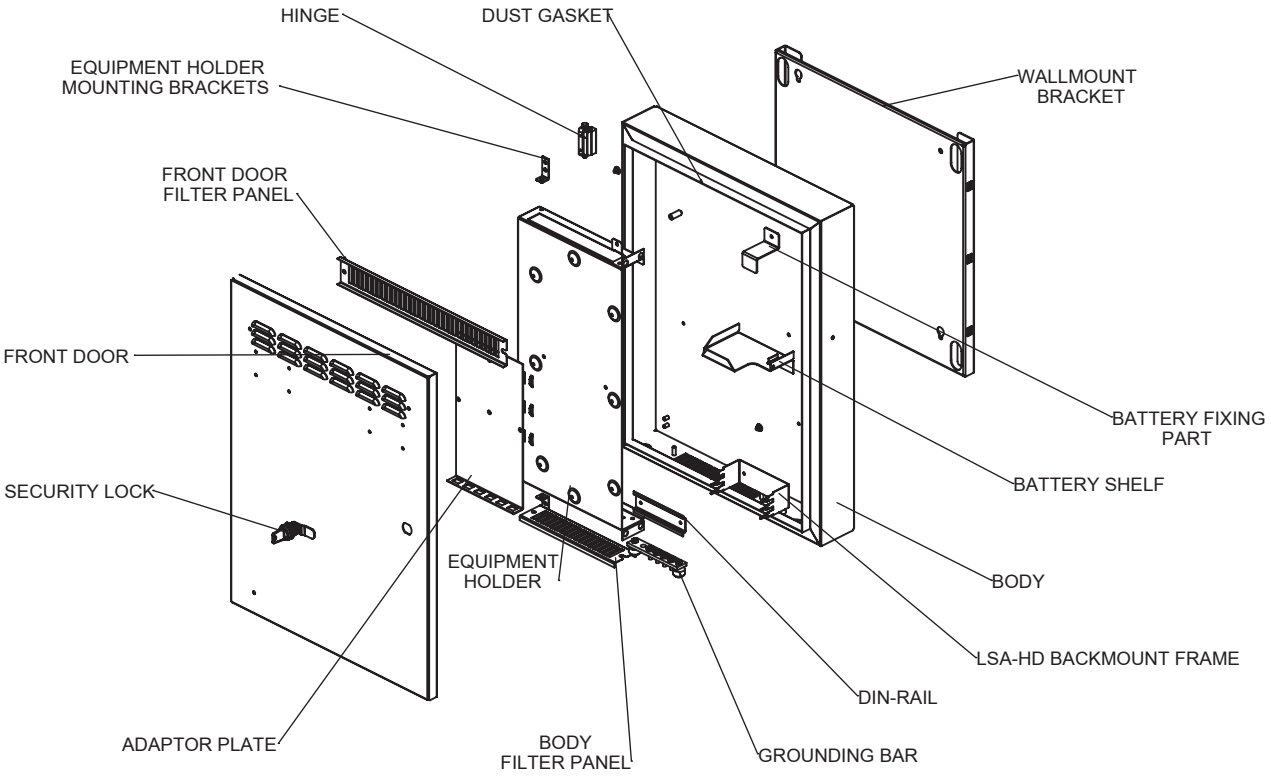


TOP VIEW

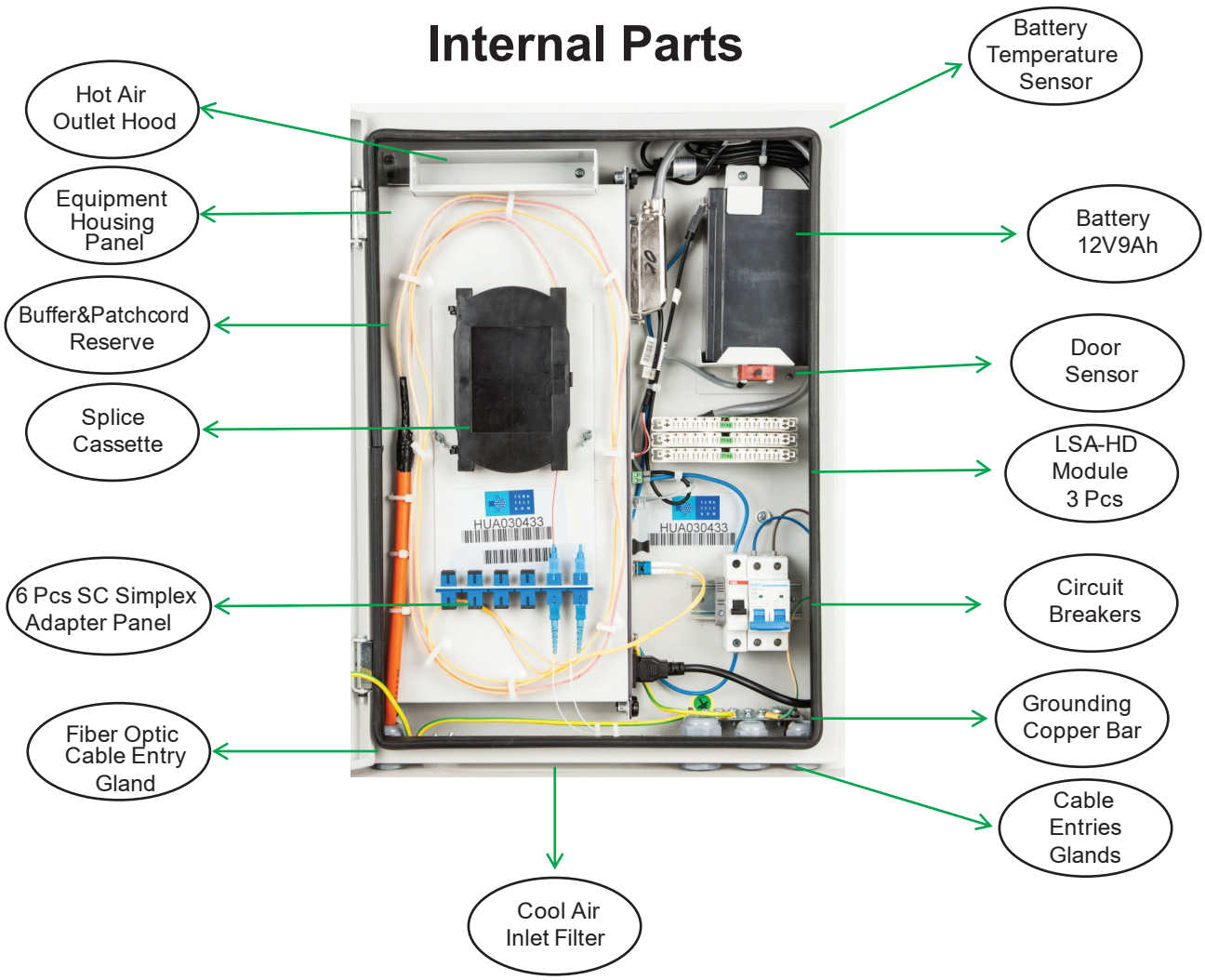


ISOMETRIC VIEW

EXPLODED VIEW



Internal Parts



Order No*	Product Definition
ALF-CAB-FTTX-01-LG	FTTB Cabinet, Colour: Ral7035 Grey (1 pcs. Half-Cylinder high security lock, 1pcs. Fiber Optic Adaptor Panel, 3 pcs. PG16 Plastic Gland, 1 pcs. PG21 Plastic Gland, 6 pcs. Adhesive Bunny Clips,

AlfaCab Series

FTTX-02

The FTTX-02 cabinet is integrated with service, power supply, monitoring, temperature control, electric counter and cable distribution units. The compact design requires less installation costs and space. They can be installed quickly on site to satisfy the demand for quick networking.The sealed design protects the FTTX-02 cabinet against dust, moisture, and rain and ensures reliable running in harsh environment. The FTTX-02 cabinet shell is the rust-protection aluminium with the coating of polyurethane powder, well protecting the cabinet against corrosion. The coating color is RAL9003, which helps effectively reduce the solar absorptivity.

Features

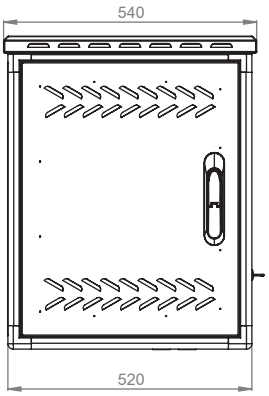
- ✓ Compatible for all brands 2RU Dslam/MDU/Ethernet Switches
- ✓ Water-proof and dust-proof performance, meeting requirements of the IP55(Outdoor) and IP54(Indoor) protection level.
- ✓ Double wall for IP 55 and single wall for IP54
- ✓ Integrated fan cooling system
- ✓ Wall or pole mount options

Specifications

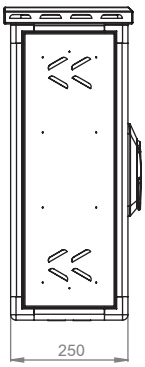
- ✓ Modular aluminium construction
- ✓ Durable anti graffiti powder coat finish RAL9003
- ✓ EMC and Anti-attack performance
- ✓ Special electric counter door in right side
- ✓ Special power distribution unit in right side
- ✓ Compliant to RoHS
- ✓ WK2 special lock in front door

Applications

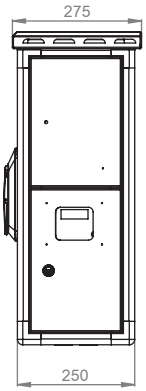
- ✓ Telecommunications Networks
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Data Communications
- ✓ Outdoor or Indoor Applications



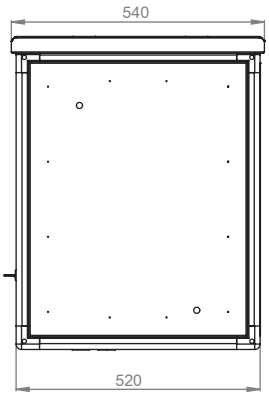
FRONT VIEW



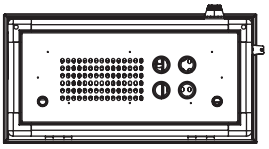
LEFT SIDE VIEW



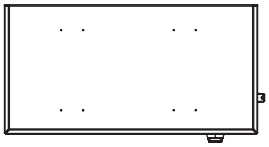
RIGHT SIDE VIEW



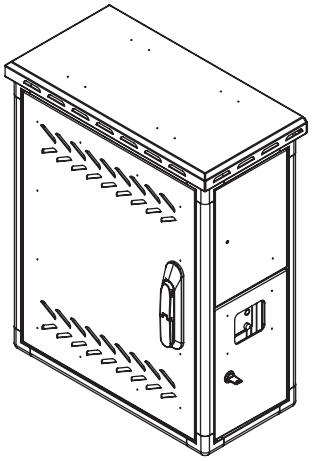
BACK VIEW



BOTTOM VIEW

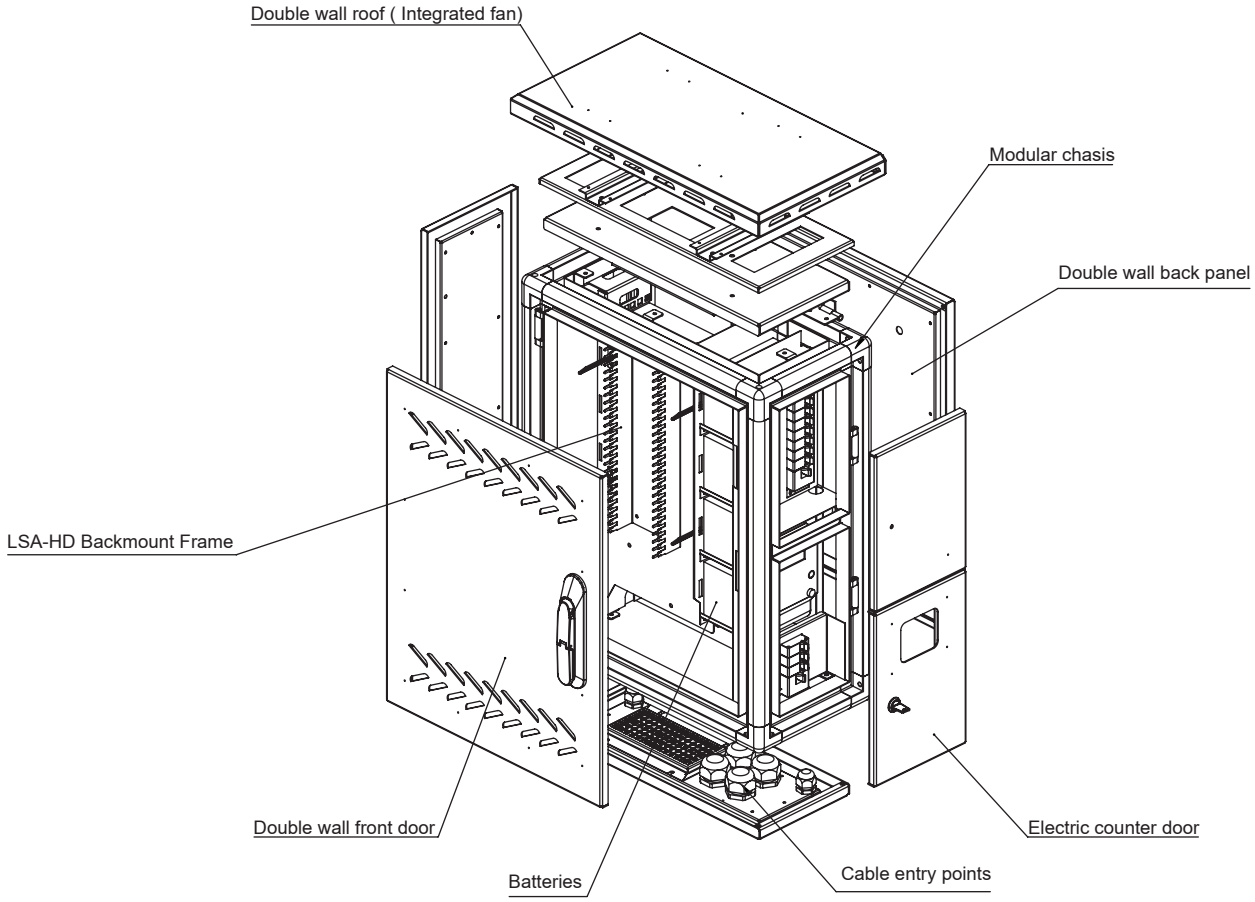


TOP VIEW

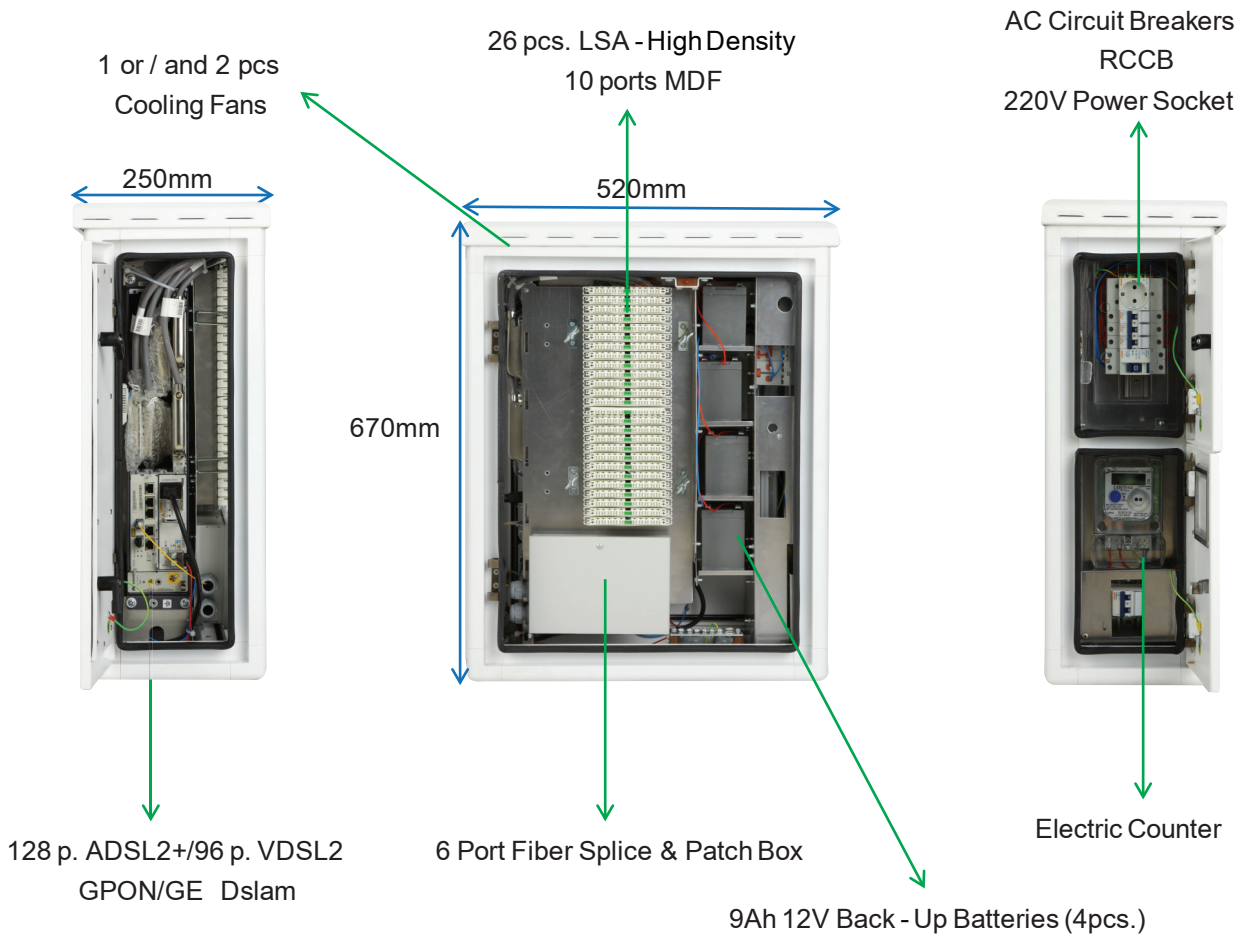


ISOMETRIC VIEW

EXPLODED VIEW



sales@alfafonet.com



Order No*	Product Definition
ALF-CAB-FTTX-02-WT	FTTX-02 Cabinet, Colour: Ral9003 White (1 pcs. WK2 high security lock,1 pcs. Half-cylinder lock in power meter door, 1pcs. 6 port Fiber Optic Box, 1pcs. AC Axial Fan)

AlfaCab Series

FTTX-03

The FTTX-03 cabinet is integrated with service, power supply, monitoring, temperature control, electric counter. The compact design requires less installation costs and space. They can be installed quickly on site or top of the CCC to satisfy the demand for quick networking.The sealed design protects the FTTX-03 cabinet against dust, moisture, and rain and ensures reliable running in harsh environment. The FTTX-03 cabinet shell is the rust-protection aluminium with the coating of polyurethane powder, well protecting the cabinet against corrosion. The coating color is RAL9003, which helps effectively reduce the solar absorptivity.

Features

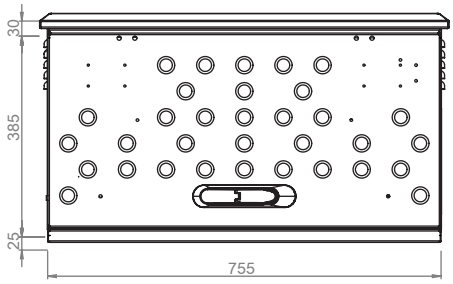
- ✓ Compatible for all brands 3RU Dslam/MDU/Ethernet Switches
- ✓ Water-proof and dust-proof performance, meeting requirements of the IP55(Outdoor) and IP54(Indoor) protection level
- ✓ Double wall for IP 55 and single wall for IP54
- ✓ Integrated fan cooling system
- ✓ Wall or pole or top on CCC mount options

Specifications

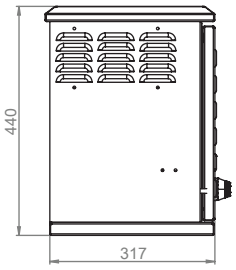
- ✓Welded aluminium construction
- ✓ Durable anti graffiti powder coat finish RAL9003
- ✓ EMC and Anti-attack performance
- ✓ Special electric counter door in right side
- ✓ Compliant to RoHS
- ✓ WK2 special lock in front door

Applications

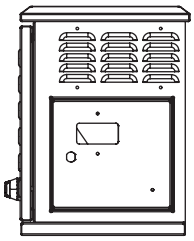
- ✓ Telecommunications Networks
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Data Communications
- ✓ Outdoor or Indoor Applications



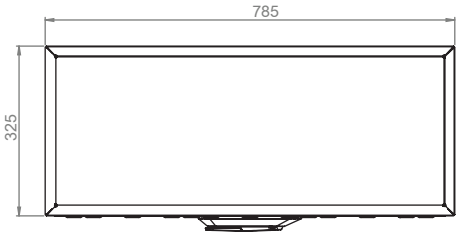
FRONT VIEW



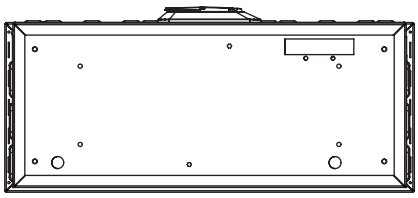
LEFT VIEW



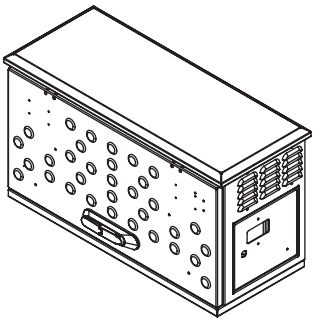
RIGHT VIEW



TOP VIEW

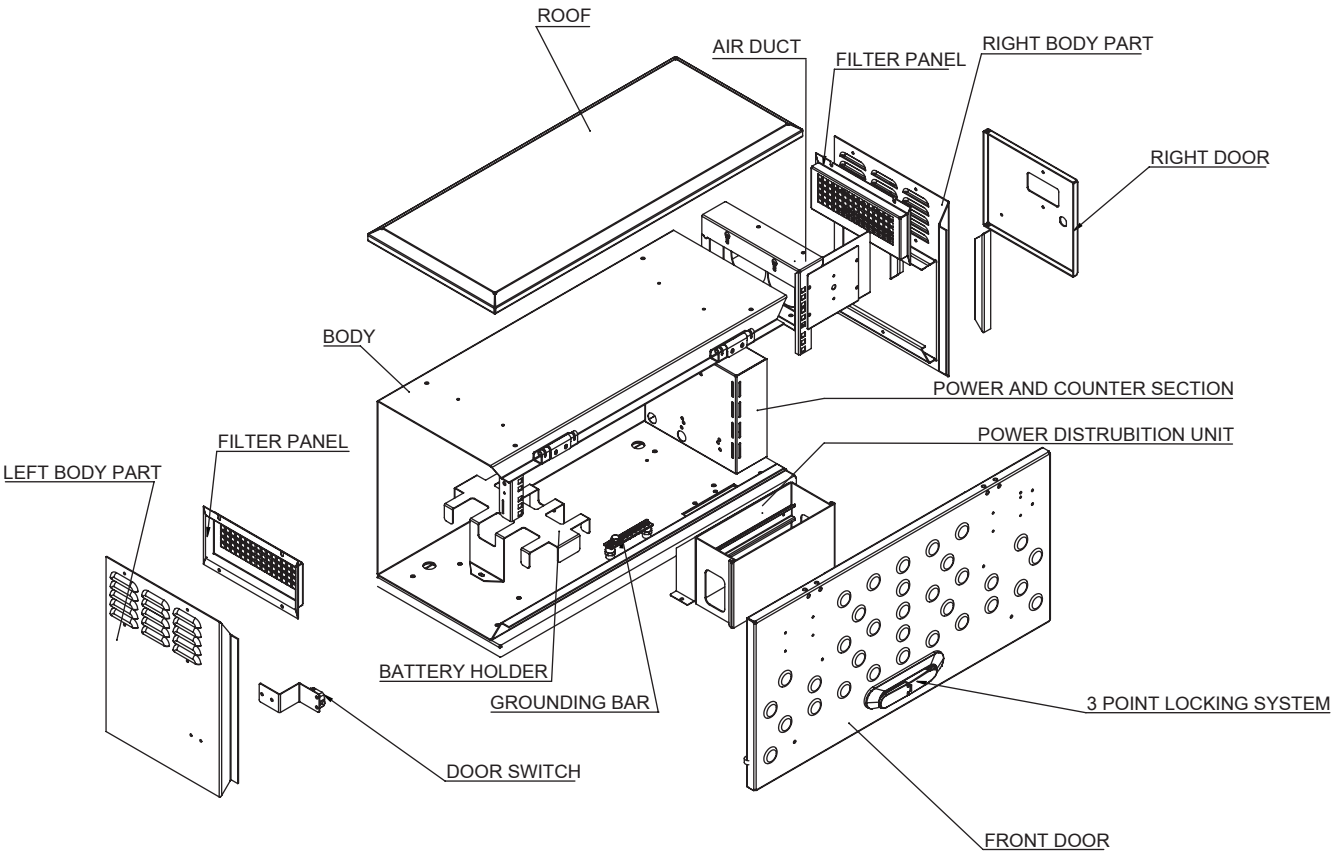


BOTTOM VIEW

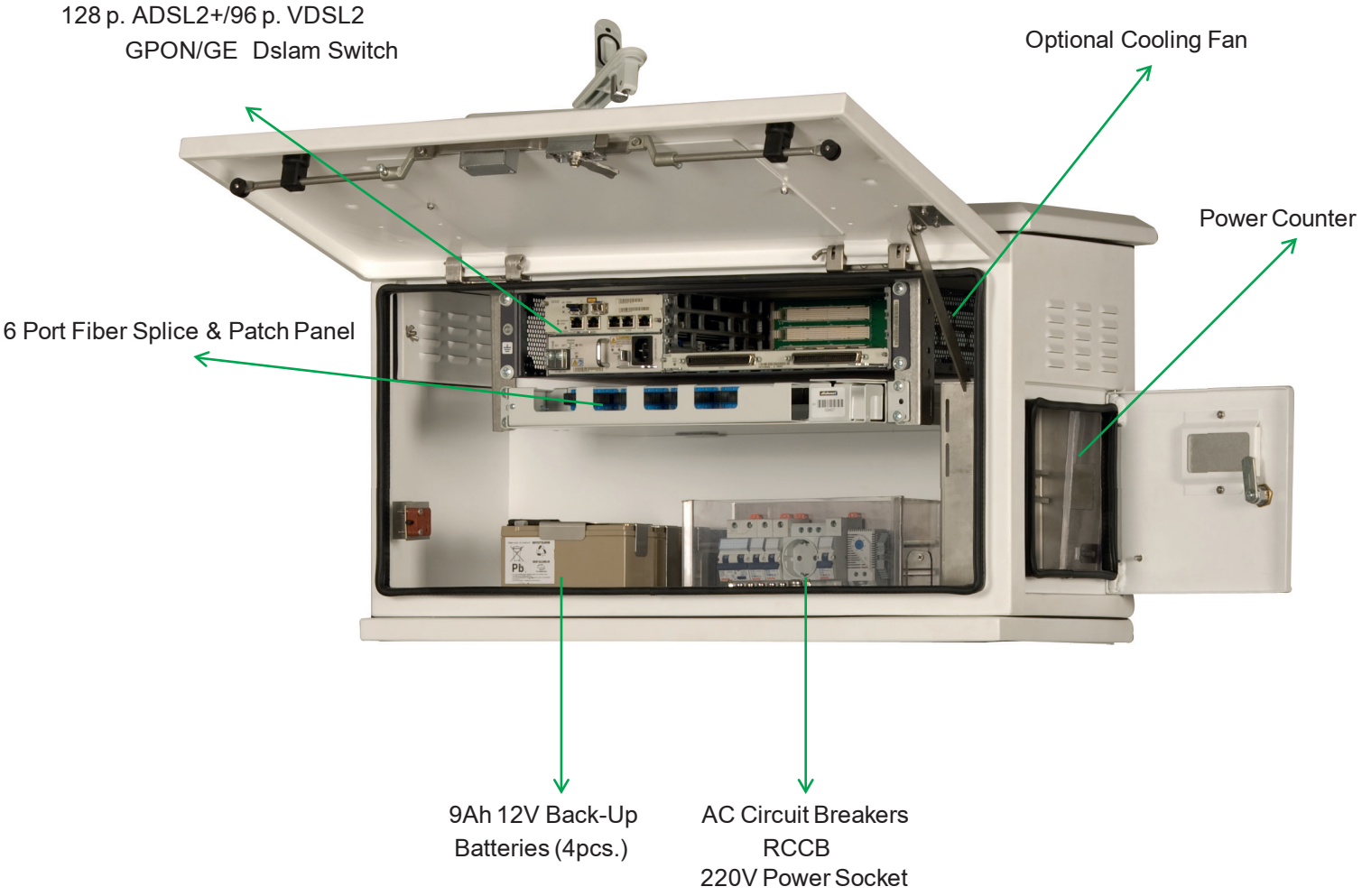


ISOMETRIC VIEW

EXPLODED VIEW



Internal Parts



Order No*	Product Definition
ALF-CAB-FTTX-03-WT	FTTX-03 Cabinet, Colour: Ral9003 White (1 pcs. WK2 high security lock,1 pcs. Half-cylinder lock in power meter door, 1pcs. 24 port Fiber Optic Panel, 2pcs. AC Axial Fan)

AlfaCab Series

FTTX-04

The FTTX-04 cabinet is integrated with service, power supply, monitoring, temperature control, electric counter, fiber optic panels, optic LAN switch and cable distribution units. The compact design requires less installation costs and space. They can be installed quickly on site to satisfy the demand for quick networking. The sealed design protects the FTTX-04 cabinet against dust, moisture, and rain and ensures reliable running in harsh environment. The FTTX-04 cabinet shell is the rust-protection aluminium with the coating of polyurethane powder, well protecting the cabinet against corrosion. The coating color is RAL9003, which helps effectively reduce the solar absorptivity. The FTTX-04 cabinet can meet various outdoor scenarios. FTTX-04 cabinet can build on existing copper connection cabinet.Also FTTX-04 cabinet can be built directly for new copper connection points.

Features

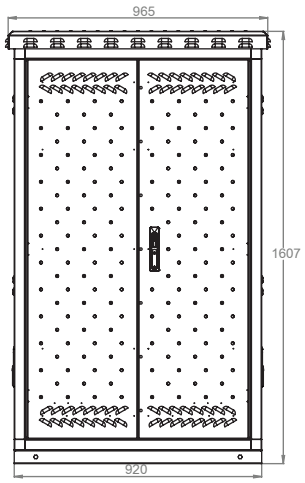
- ✓ Compatible for all brands Dslam/MDU/ Ethernet Switches
- ✓ 11RU total space for Dslam/MDU Switches, fiber panels and fiber LAN Switches
- ✓ Water-proof and dust-proof performance, meeting requirements of the IP55(Outdoor) protection level.
- ✓ Double wall for IP 55
- ✓ Integrated centrifugal or axial fan cooling system
- ✓ Base mount for FTTC applications

Specifications

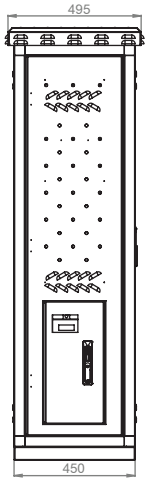
- ✓ Modular aluminium construction
- ✓ Durable anti graffiti powder coat finish RAL9003
- ✓ EMC and Anti-attack performance
- ✓ Special electric counter door in right side
- ✓ Special AC and DC power distribution unit in left side
- ✓ Compliant to RoHS
- ✓ WK2 special lock on front door and electric counter door

Applications

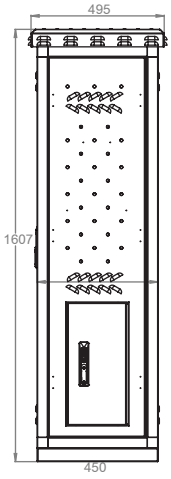
- ✓ Telecommunications Networks
- ✓ Customer Premise
- ✓ LAN / WAN Networks
- ✓ Data Communications
- ✓ Outdoor Applications



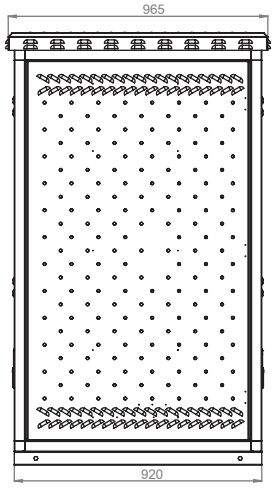
FRONT VIEW



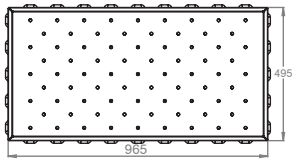
LEFT SIDE VIEW



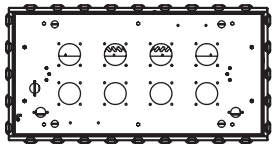
RIGHT SIDE VIEW



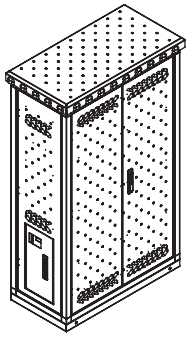
BACK VIEW



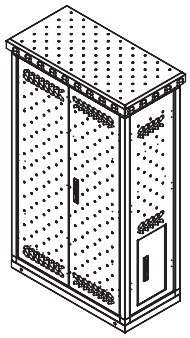
TOP VIEW



BOTTOM VIEW

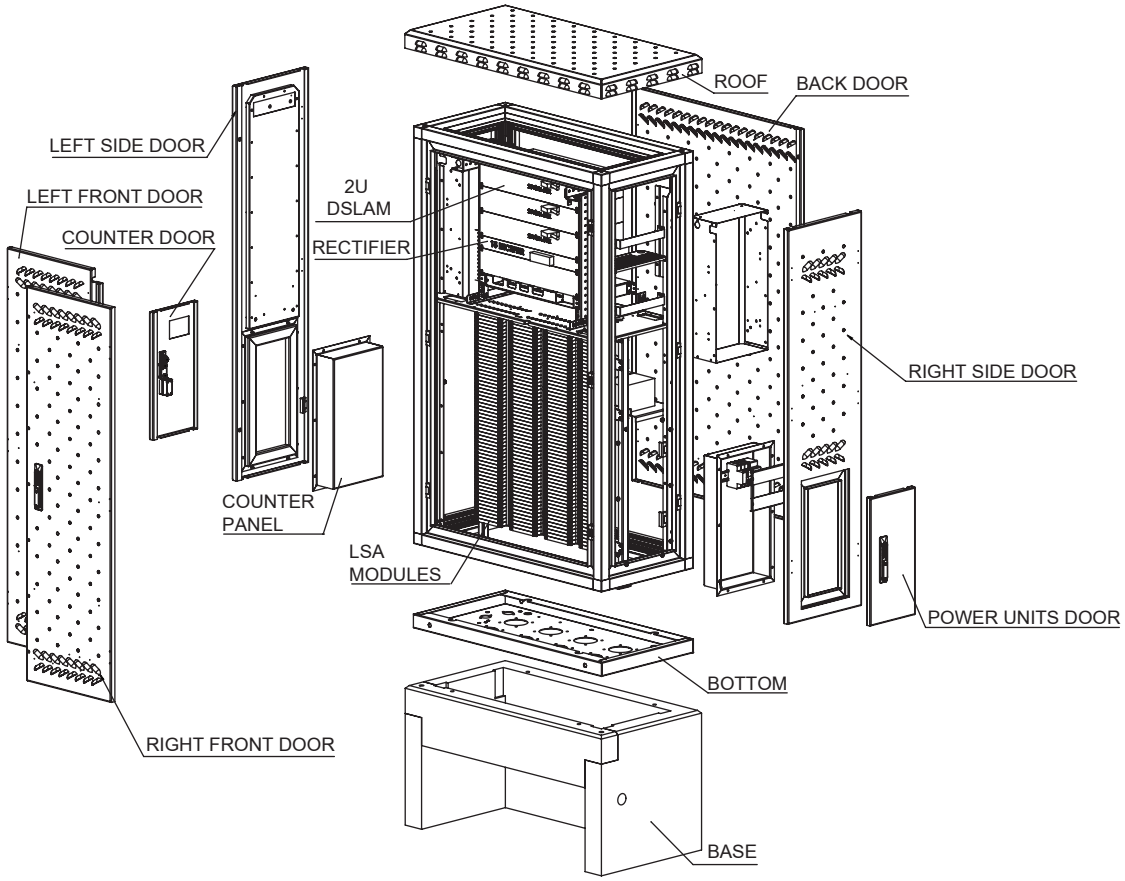


LEFT ISOMETRIC VIEW



RIGHT ISOMETRIC VIEW

EXPLODED VIEW



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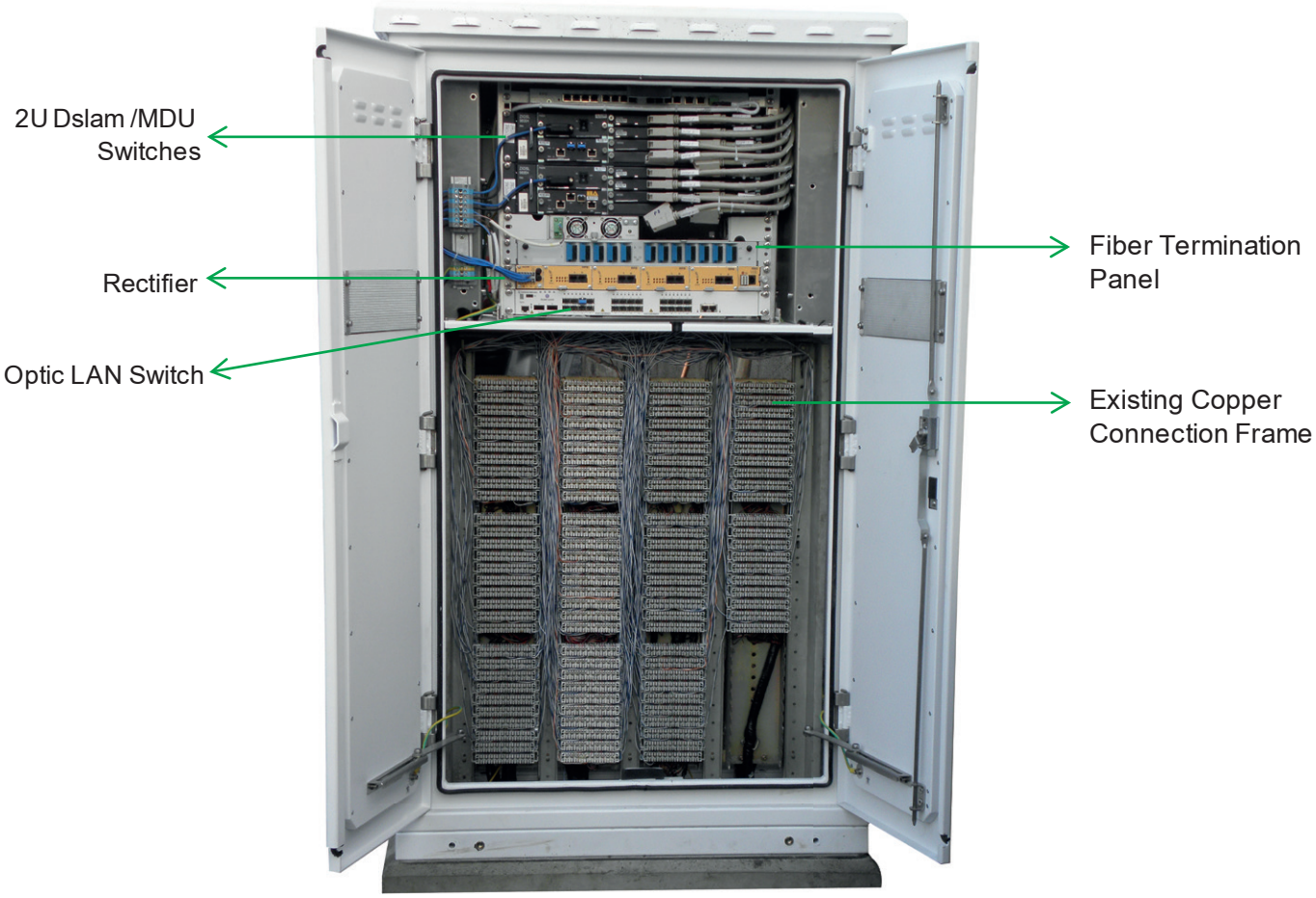


Order No*	Product Definition
ALF-CAB-FTTX-04-WT	FTTX-04 Cabinet, Colour: Ral9003 White (1 pcs. WK2 high security lock on front and back door,1 pcs. WK2 high security lock in power meter door, 1pcs. 24 port Fiber Optic Box, 1pcs. AC Axial or Centrifugal Fan)

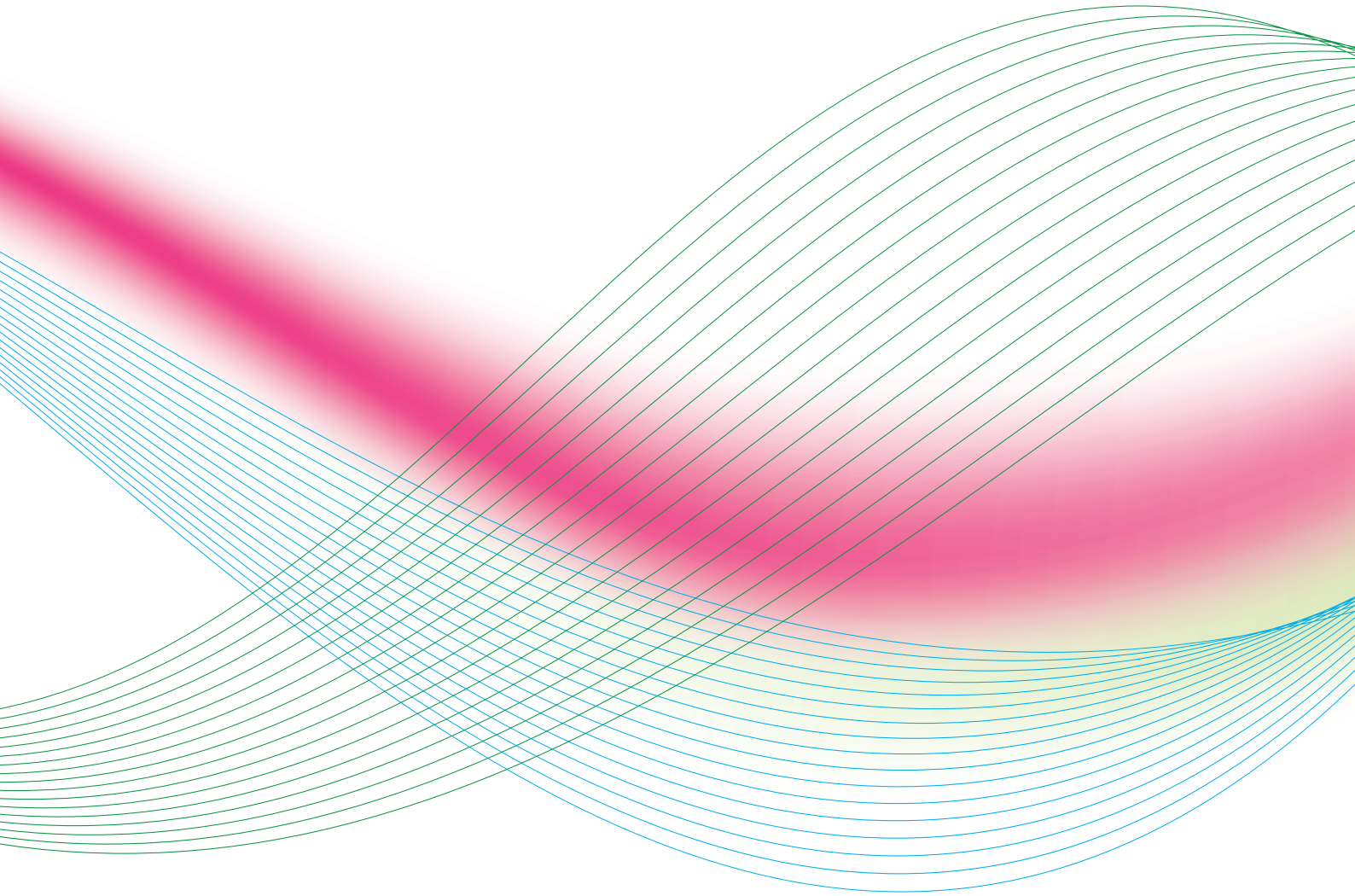
ODF Cabinets & Customer Solutions

ECoDF 131

ECoDF Wall Mount 134

OpDF 137

Customer Solutions 138



ECoDF

Alfafonet ECoDF Fiber Distribution Cabinets are an exceptionally rugged and strong cabinet enabling it to be used for all application. ECoDF offers a highly cost-effective and assembly-friendly solutions for numerous application in the field of fiber. ECoDF is highly-configurable to the end-users requirements and provides unique features to benefit system designers, installers and network managers. Completely assembled standard cabinet can be delivered as a single enclosure with side panels or as a side by side cabinet without side panels. The rigidly modular frame costruction can be dismantled and assembles easily without any special tools.

Features

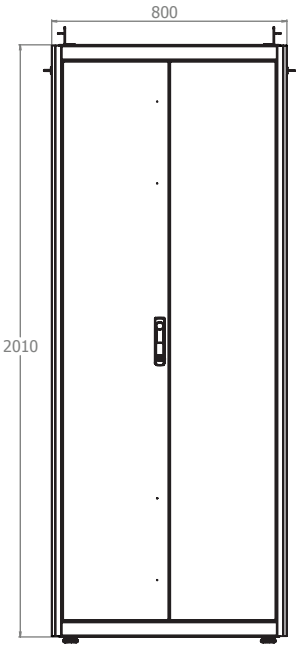
- ✓ Secure side panels and front doors,with lockers and hinges
- ✓ Openable, lockable, removable side panels and front doors
- ✓ Standard 19''& ETSI Installations
- ✓ Bend radius protection throughout the frame
- ✓ Fully front accessibility
- ✓ Maximum flexibility and modularity

Specifications

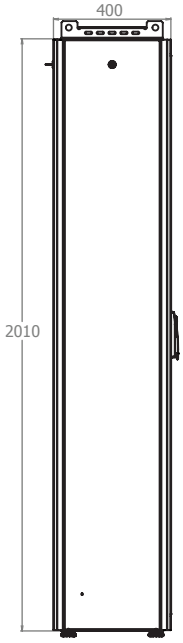
- ✓ Modular cold rolled steel construction
- ✓ Durable textured powder coat finish available in Black (RAL9005) or Light Grey (RAL7035)
- ✓ Back to back or/and side to side mounting
- ✓ Possible for wall mounting

Applications

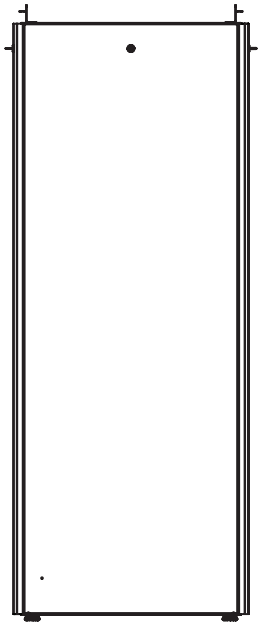
- ✓ Exchange, primary distribution points, customer's premises
- ✓ Central Offices, telecommunication equipment rooms
- ✓ Weather-protected locations, such as building basements
- ✓ FTTX applications



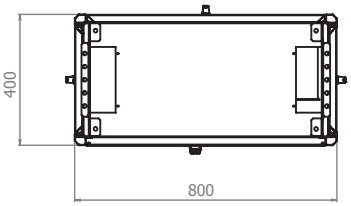
FRONT VIEW



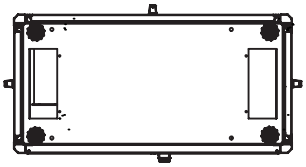
SIDE VIEW



BACK VIEW

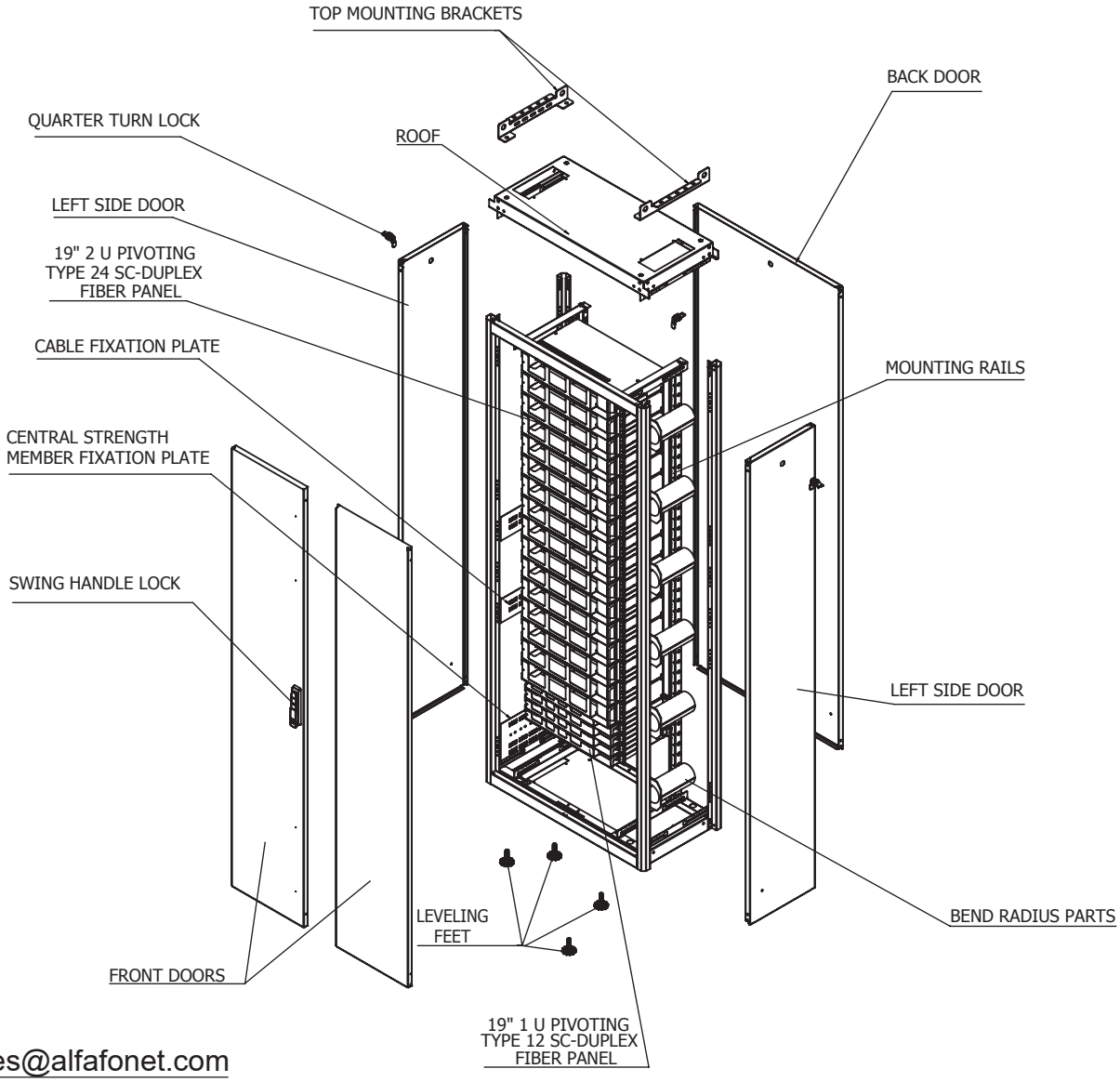


TOP VIEW



BOTTOM VIEW

EXPLODED VIEW



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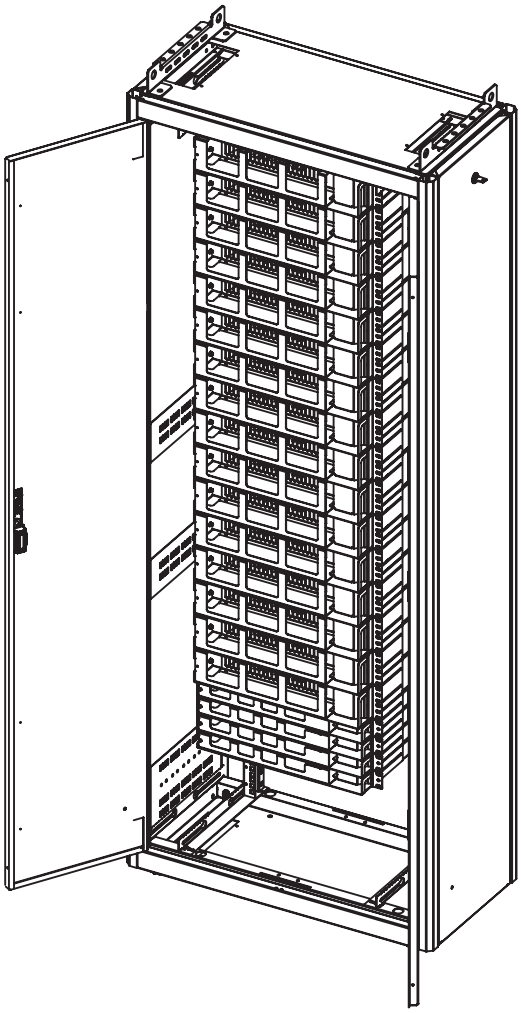


Order No*	Product Definition
ALF-ECoDF-803640-CC	ECoDF Fiber Distribution Cabinet, 36U: 800 mm(W)x1738mm(H)x400mm(D) Complete with side panels, back and rear door
ALF-ECoDF-804240-CC	ECoDF Fiber Distribution Cabinet, 42U: 800 mm (W)x2010mm(H)x400mm(D) Complete with side panels, back and rear door
ALF-ECoDF-804740-CC	ECoDF Fiber Distribution Cabinet, 47U: 800 mm (W)x2200mm(H)x400mm(D) Complete with side panels, back and rear door
ALF-ECoDF-904233-CC	ECoDF Fiber Distribution Cabinet, 42U: 900 mm (W)x2010mm(H)x330mm(D) Complete with side panels, back and rear door
ALF-ECoDF-904733-CC	ECoDF Fiber Distribution Cabinet, 47U: 900 mm (W)x2200mm(H)x330mm(D) Complete with side panels, back and rear door

Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

ECoDF Wall Mount

Alfafonet ECoDF Wall Mount Fiber Distribution Cabinets are an exceptionally rugged and strong cabinet enabling it to be used for all application. ECoDF Wall Mount offers a highly cost-effective and assembly-friendly solutions for numerous application in the field of fiber. ECoDF Wall Mount is highly-configurable to the end-users requirements and provides unique features to benefit system designers, installers and network managers. Completely assembled standard cabinet can be delivered as a single enclosure with side panels or as a side by side cabinet without side panels. The rigidly modular frame costruction can be dismantled and assembles easily without any special tools.

Features

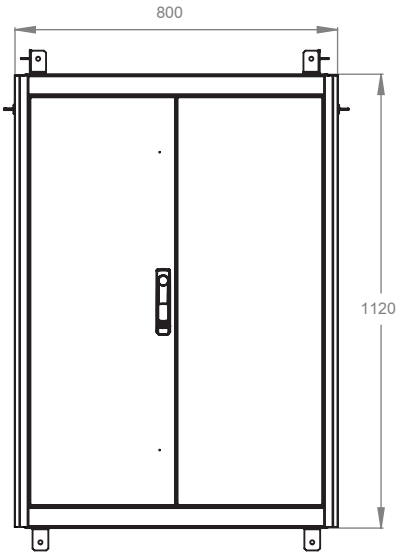
- ✓ Secure side panels and front doors,with lockers and hinges
- ✓ Openable, lockable, removable side panelsand front doors
- ✓ Standard 19''&ETSI Installations
- ✓ Bend radius protection throughout the frame
- ✓ Fully front accessibility
- ✓ Maximum flexibility and modularity

Specifications

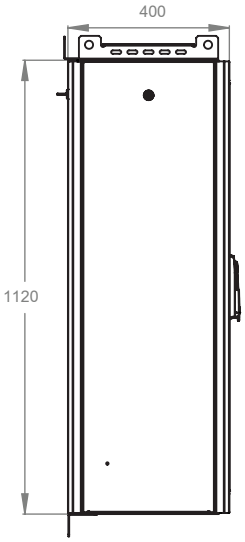
- ✓ Modular cold rolled steel construction
- ✓ Durable textured powder coat finish available in Black (RAL9005) or Light Grey (RAL7035)
- ✓ Back to back or/and side to side mounting
- ✓ Possible for wall mounting

Applications

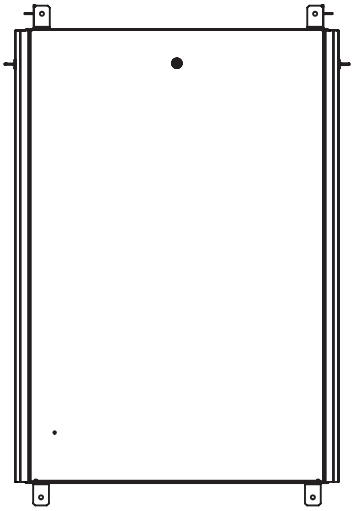
- ✓ Exchange, primary distribution points, customer's premises
- ✓ Central Offices, telecommunication equipment rooms
- ✓ Weather-protected locations, such as building basements
- ✓ FTTX applications



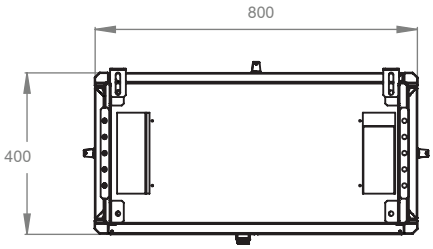
FRONT VIEW



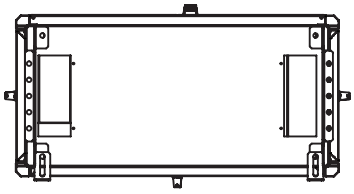
SIDE VIEW



BACK VIEW

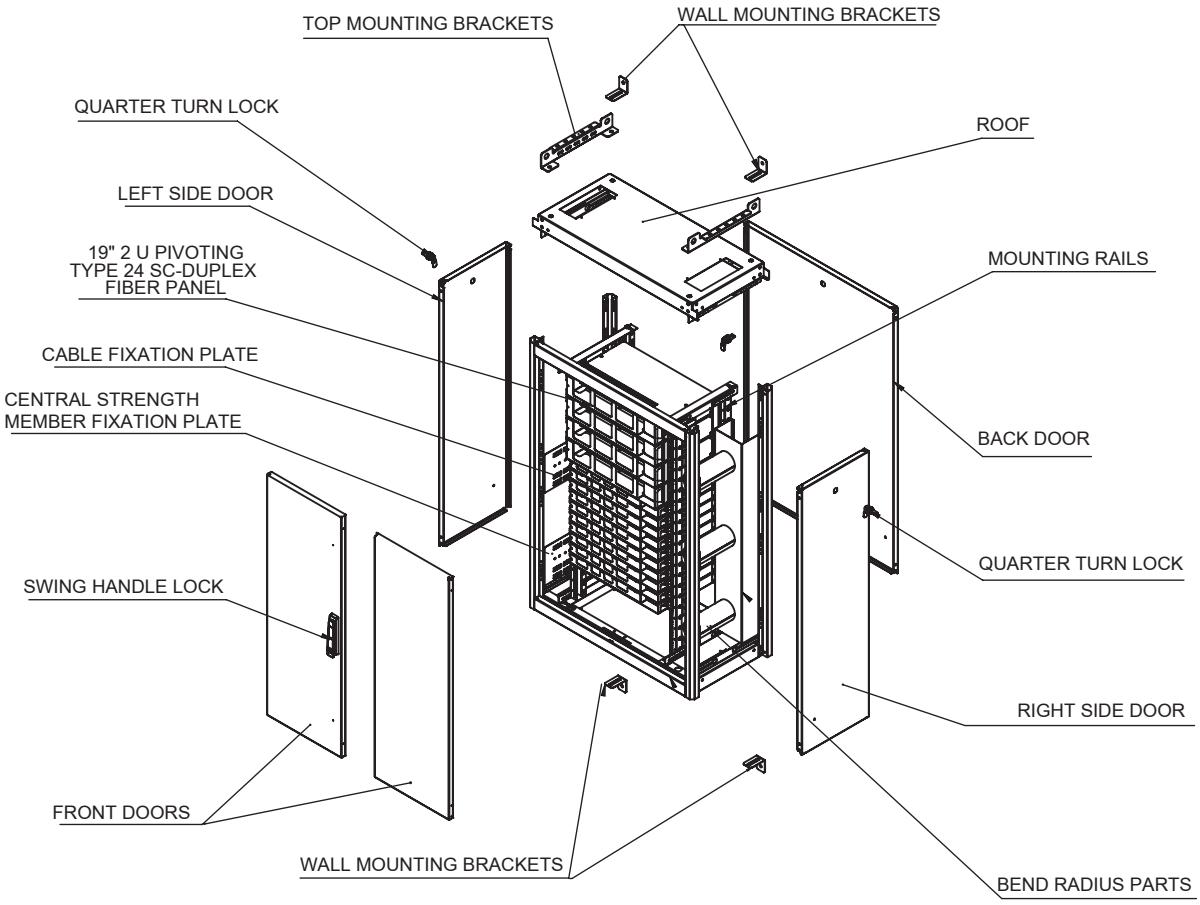


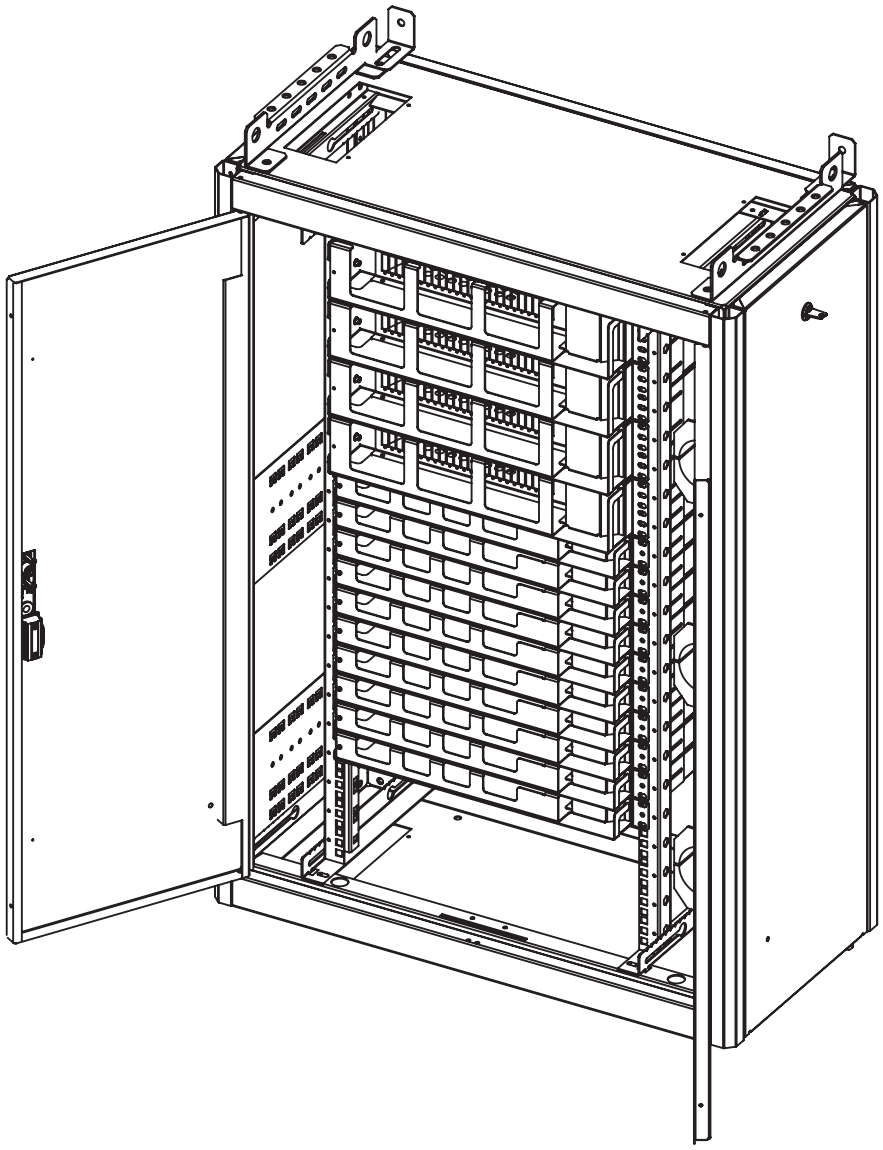
TOP VIEW



BOTTOM VIEW

EXPLODED VIEW





Order No*	Product Definition
ALF-ECoDF-802240-CC	ECoDF Fiber Distribution Cabinet, 22U:800mm(W)x1125mm(H)x400mm(D) Complete with side panels, back and rear door
ALF-ECoDF-802640-CC	ECoDF Fiber Distribution Cabinet, 26U:800mm(W)x1300mm(H)x400mm(D) Complete with side panels, back and rear door
ALF-ECoDF-803240-CC	ECoDF Fiber Distribution Cabinet, 32U:800mm(W)x1738mm(H)x400mm(D) Complete with side panels, back and rear door

Ordering Information

* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

OpDF

Alfafonet OpDF Open Fiber Distribution Frames are an exceptionally rugged and strong cabinet enabling it to be used for all application. OpDF offers a highly cost-effective and assembly-friendly solutions for numerous application in the field of fiber. OpDF is highly-configurable to the end-users requirements and provides unique features to benefit system designers, installers and network managers. The product range is available in 5 heights from 27U through 48U. The wide product height portfolio meets and U requirement in infrastructure needs. Completely standard and stocked product portfolio, being delivered as Flat Packed product, as shipping configuration the adjustable feet group is included. With flat package, product range is offering a superior result of economic transport cost scheme. OpDF Series product range with optimal panel mounting size, and a variety range of accessories, especially the most-functional cable management accessories enclose the whole expectation of users.

Features

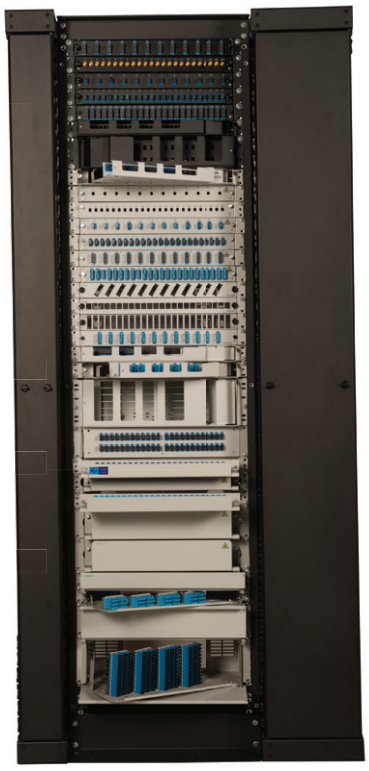
- ✓ Secure side panels
- ✓ Openable, lockable, removable side panels
- ✓ Standard 19'' Installations
- ✓ Bend radius protection throughout the frame
- ✓ Fully front accessibility
- ✓ Maximum flexibility and modularity

Specifications

- ✓ Fully Modular cold rolled steel construction
- ✓ Durable textured powder coat finish available in Black (RAL9005) or Light Grey (RAL7035)
- ✓ Back to back mounting
- ✓ 135mm wide and 270mm wide side panels options

Applications

- ✓ Central Offices, telecommunication equipment rooms
- ✓ Data Center Applications
- ✓ FTTX applications



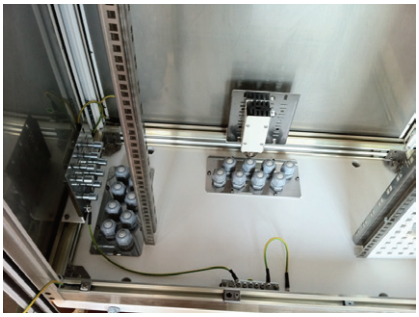
Order No*	Product Definition
ALF-OpDF-802738-CC	OpDF Open Fiber Distribution Frames, 27U:800mm(W)x1356mm(H)x380mm(D) Two side panels(135mm) and Central Frame(530mm)
ALF-OpDF-803638-CC	OpDF Open Fiber Distribution Frames, 36U:800mm(W)x1756mm(H)x380mm(D) Two side panels(135mm) and Central Frame(530mm)
ALF-OpDF-804238-CC	OpDF Open Fiber Distribution Frames, 42U:800mm(W)x 2022mm(H)x380mm(D) Two side panels(135mm) and Central Frame(530mm)
ALF-OpDF-804538-CC	OpDF Open Fiber Distribution Frames, 45U:800mm(W)x 2155mm(H)x380mm(D) Two side panels(135mm) and Central Frame(530mm)
ALF-OpDF-804838-CC	OpDF Open Fiber Distribution Frames, 48U:800mm(W)x 2289mm(H)x380mm(D) Two side panels(135mm) and Central Frame(530mm)

Ordering Information

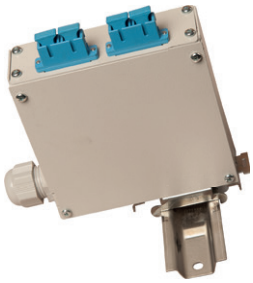
* CC=LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

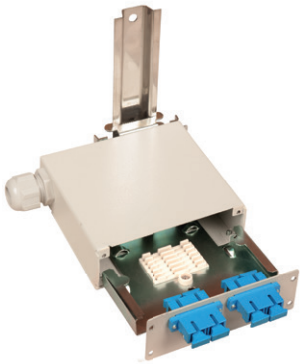
Customer Solutions

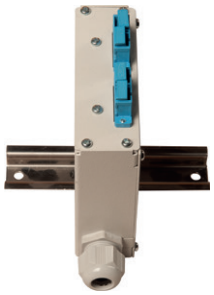
Outdoor Fiber Distribution HUB Cabinet

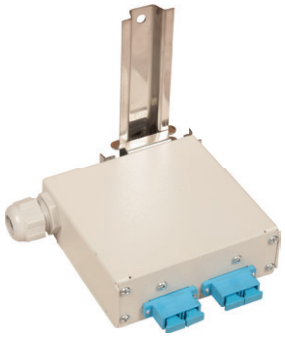


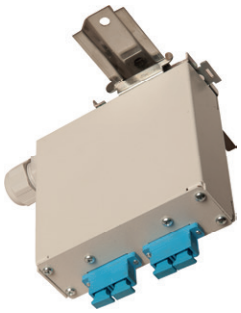
DIN-Rail Mount Fiber Patch / Splice Box



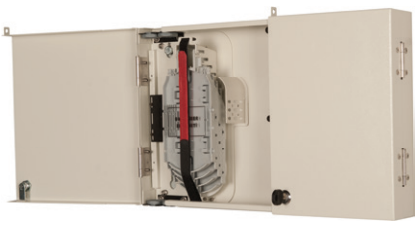


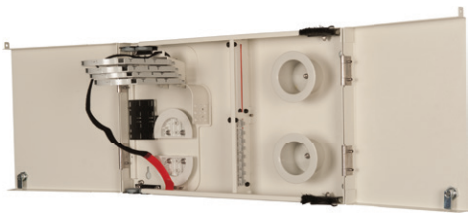






Indoor Wall Distribution Box





Central Office Solution
More information on http://www.alfafonet.com

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Complete Connectivity Solutions

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