we make IT happen

v.2.2012

Fiber Optic Solutions

www.canovate.com

CANOVATE®

About Us

Canovate provides IT and Telecom infrastructure technology offerings that span from complete data centers, data center green cooling technologies to fiber optic connectivity based FTTX and fiber optic transmission and access solutions. Canovate designs and manufactures a wide range of innovative standard and customized products, technologies and solutions:

- Fiber optic connectivity based FTTX
- Fiber optic transmission and access
- Complete data centers
- Data center cooling, PDU, remote monitoring and access
- Outdoor racks and cabinets
- Wall-mount 19” enclosures
- Industrial 19” racks, cabinets and enclosures
- IT 19” network and server racks

Milestones

1965	Established as ‘‘PTT-ARLA’’ state owned Research Laboratory
1982	Became a private company, TELETAŞ
1984	Alcatel Telecom Exchange System 12 production
1991	ISO 9001 Certification
1993	Merger with ALCATEL
1996	Integration of ERP System
1999	Over 10 Million Subscriber line System 12 Exchange Systems developed, manufactured and delivered worldwide
2003	Relocation to brand new purpose built state-of-the-art manufacturing facilities in İstanbul
2004	Establishment of structural cabling and fiber optic business unit
2005	Multiple PCT Patent filings, 3rd Party Compliance Statement for Date and Telecom Products; development of fully integrated high density Optical Distribution Frame (ODF) Systems.
2006	Launch of Basic Outdoor Cabinet, Seismic 19” Rack Systems, Announcement of RoHS conformity, Gost-R Certication, IP41 up to IP65 approvals for cabinets and enclosures, UL approvals and renewals
2009	Launch of Data Center business unit including patented green cooling technology, Establishment of Canovate Russia and Establishment of Canovate Greece
2010	Launch of advanced high-density, industry first, Troy Fiber Optic ODF System, Establishment of Canovate Netherlands
2011	Establishment of fiber optic cable termination manufacturing lines and devolopment IP PDU, Establishment of Canovate Iran
2012	Establishment of Canovate Middle East Office in UAE

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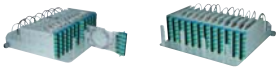






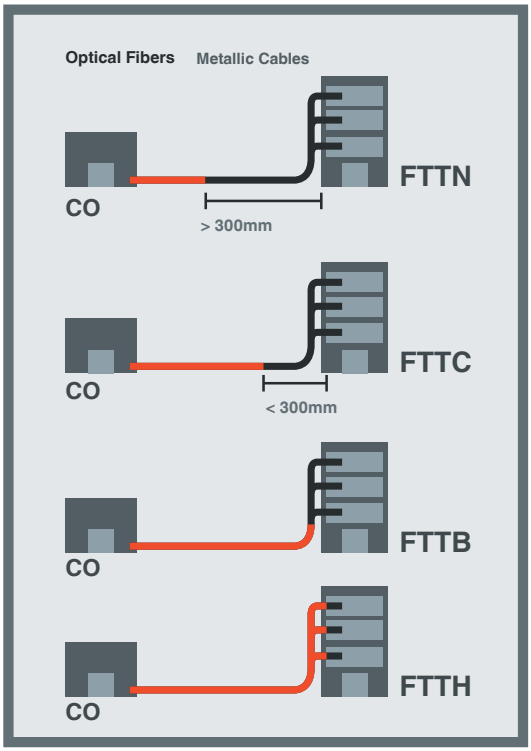







What is FTTX?

- Fiber to the x (FTTx) is a term for any broadband network architecture that uses fiber optic cable instead of the regular copper cable for last mile telecommunications. X means where the fiber optic cable ends. The generic term is used as a generalization of several configurations of fiber deployment (FTTN, FTTC, FTTB, FTTH...), all starting by FTT but differentiated by the last letter, which is substituted by an x as generalization.
- FTTN - Fiber-to-the-node - fiber is terminated in an outdoor street cabinet up to several kilometers away from the customer premises, with the final connection being copper.
- FTTC - Fiber-to-the-cabinet or fiber-to-the-curb - this is very similar to FTTN, but the street cabinet is closer to the user's premises; typically within 300m.
- FTTB - Fiber-to-the-building -fiber reaches the boundary of the building, such as the basement in an multi-dwelling unit, with the final connection to the individual living space being made via copper or wireless means.
- FTTH - Fiber-to-the-home - fiber reaches the boundary of the living space, such as a box on the outside wall of a home.
- FTTP - Fiber-to-the premises - this term is used in several contexts: as a blanket term for both FTTH and FTTB, or where the fiber network includes both homes and small businesses.



Drawing illustrates how FTTX architectures vary with regard to the distance between the fiber optic cable and the end-user. The building on the left is the central office; on the right is one of the buildings served by the central office

FTTB	Fiber To The Building
FTTC	Fiber To The Curb
FTTE	Fiber To The most Economical point
FTTN	Fiber To The Node
FTTH	Fiber To The Home

Main FTTX Architectures

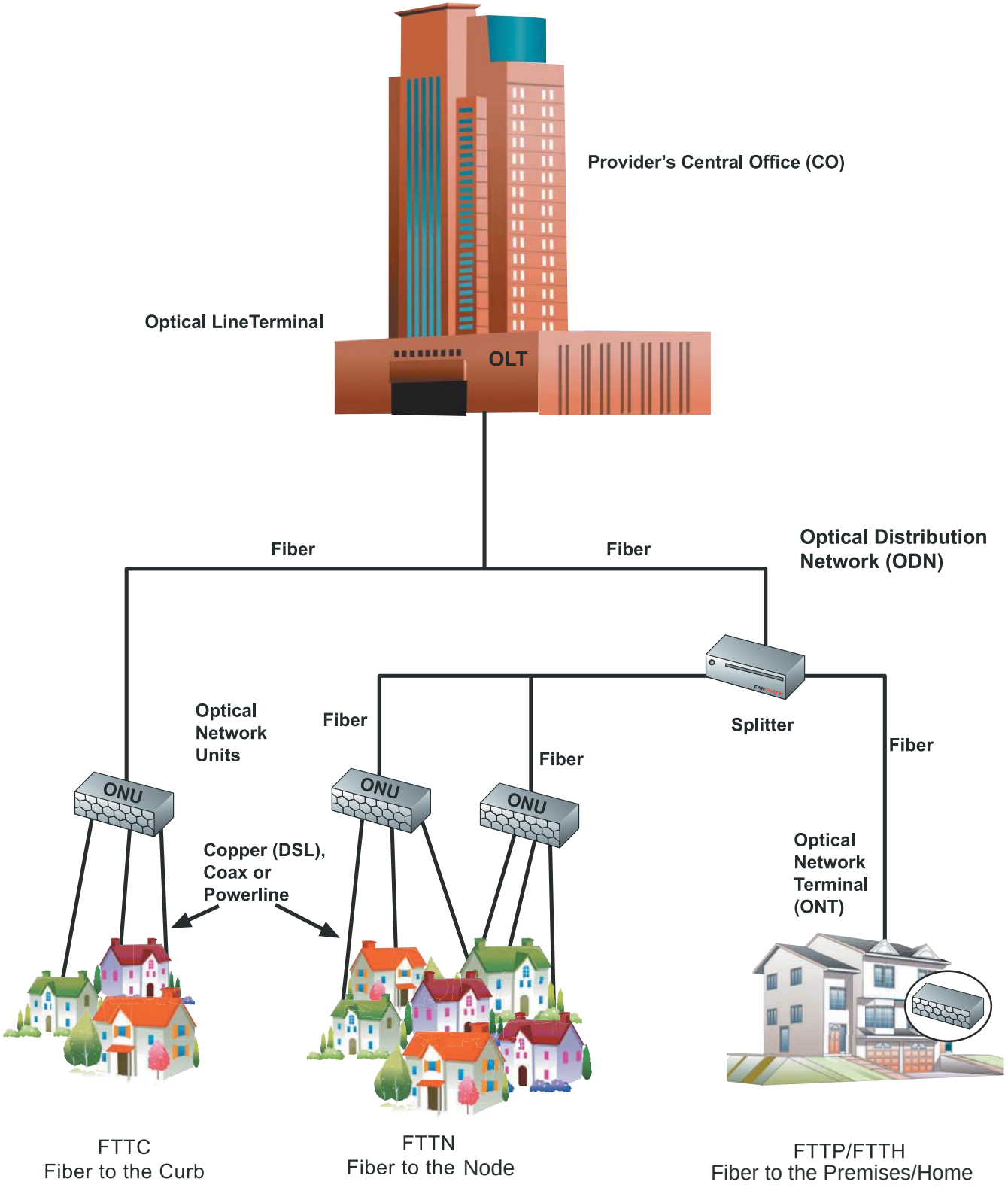
GPON

A gigabit passive optical network (GPON) is a point-to-multipoint, fiber to the premises network architecture in which unpowered optical splitters utilizing Brewster's angle principles are used to enable a single optical fiber to serve multiple premises. A GPON consists of an optical line terminal (OLT) at the service provider's central office and a number of optical network units (ONUs) near end users. A PON configuration reduces the amount of fiber and central office equipment required compared with point to point architectures.

Point to Point

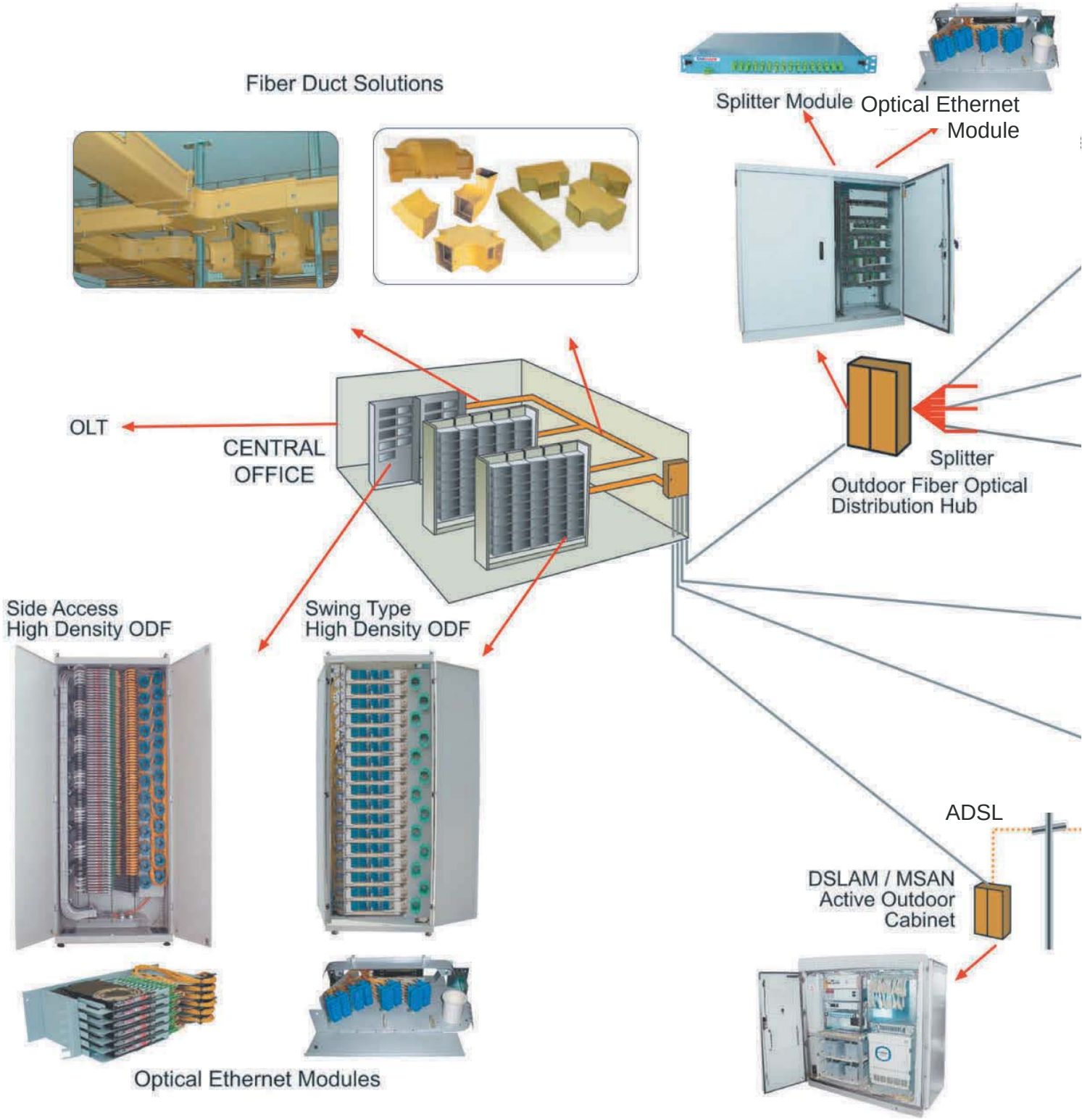
In this architecture, each fiber leaving the central office goes to exactly one customer without splitting. Such networks can provide excellent bandwidth since each customer gets their own dedicated fiber extending all the way to the central office. However, this approach is about 10% more costly due to the amount of fiber and central office machinery required.

FTTX Fiber Distribution Network Infrastructures

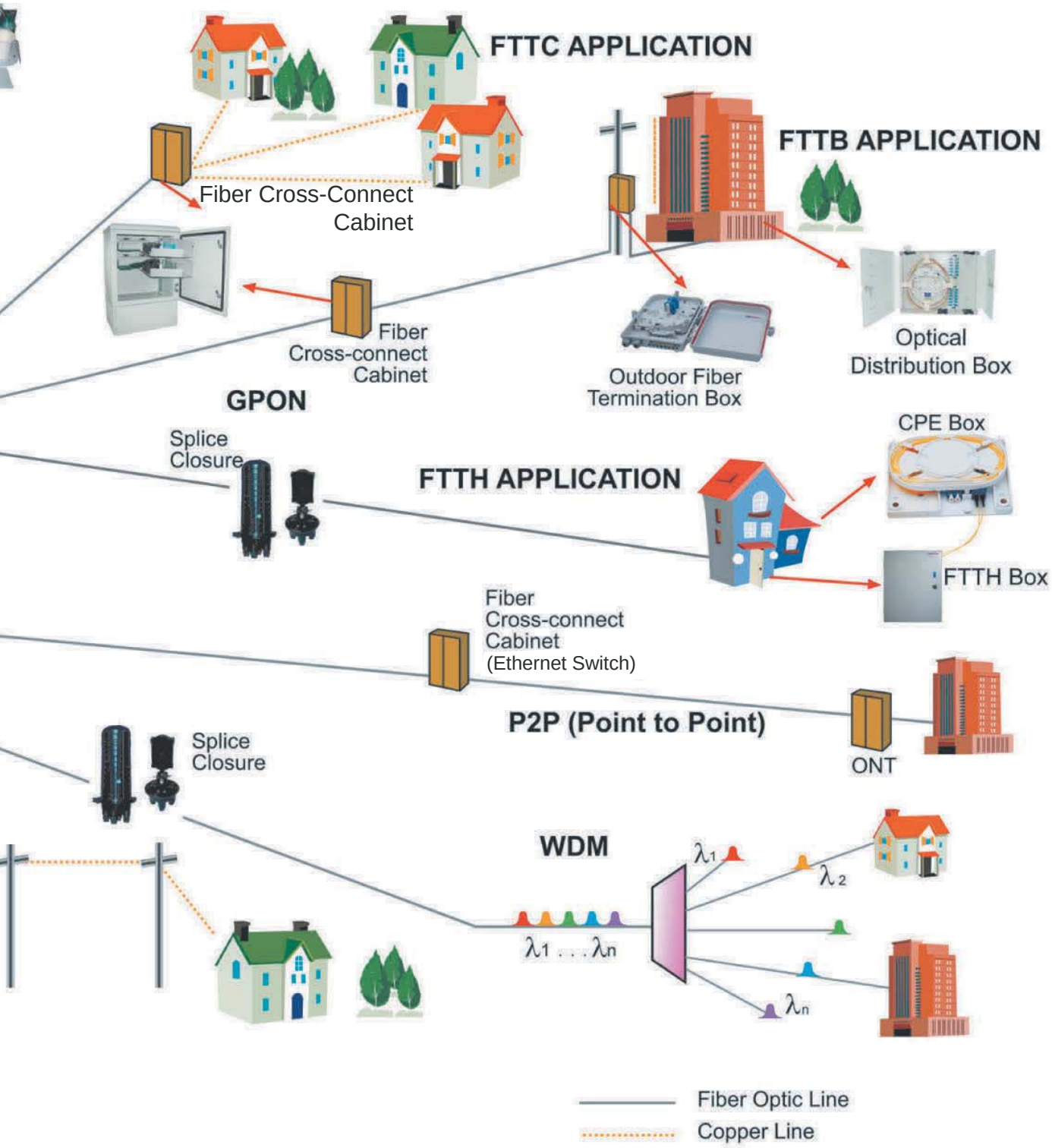


FTTX Topologies

As a one of the leading manufacturers of HiTech products in Europe, CANOVATE understands the needs and challenges of future's network technology. IT professionals rely upon CANOVATE for leading-edge solutions that incorporate innovative technologies, strategic partnerships, certified partner programs and design tools to deliver the most comprehensive FTTX solutions.



FTTX



Canovate offers every passive part of the solution in FTTX applications from fiber distribution to fiber termination:

- Optical Distribution Frames
- Outdoor Fiber Distribution Cabinets
- Optical Fiber Termination Modules
- Optical Distribution Boxes
- FTTH Boxes
- Splice Closures
- Fiber Duct Solutions
- Splice Cassettes

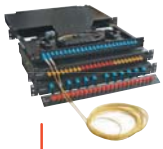
Central Office Solutions

CO(Central Office) Solutions

Optical Distribution Frame (ODF)
Flexible, modular, and pre-terminated ODFs consisting of optical fiber termination modules, splice modules and patch panels provide efficient and economical cross-connection and interconnection between FTTP equipment, splitters, WDMs and feeder cables.

Optical Fiber Termination Modules
Plug and play modular optical fiber termination modules allow high-density applications for fiber termination, splicing and patching in CO infrastructure.

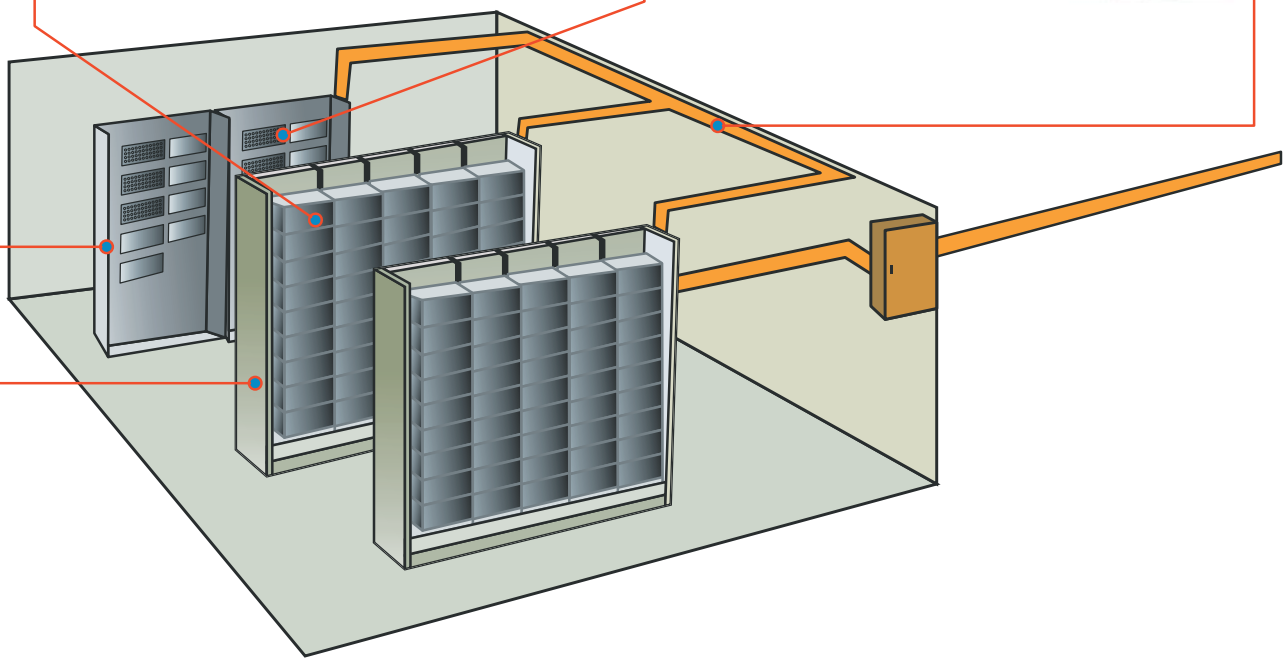
Fiber Duct Solutions
Canovate Optical Fiber Ducting System solution is designed to ensure professional fiber distribution and guidance of the fiber inside the central office by maintaining the required bend radius criterias.



Patch Panels and Splice Shelves
Wide selection of high-density patch panels and splice shelves for configuring and administering fiber cable terminations.

Patch Cords and Jumpers
Rugged, compact and high perfomance fiber patch cords and jumpers connect FTTP equipment and outside plant cabling systems.

Splice Cassettes
Special cassette systems developed for efficient and professional fiber splicing and storage.

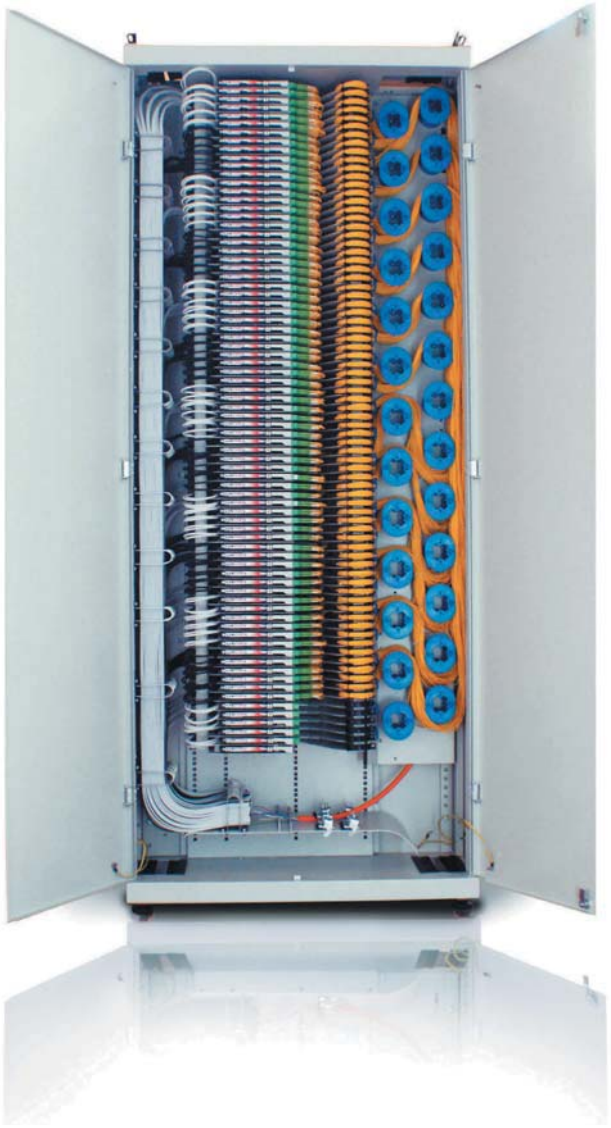


Optical Distribution Frame Systems

Optical Distribution Frame

Troy ODF System

Side Access High Density Optical Distribution Frame CAN-ODF-700



Overview

The key to a successfully managed transmission network lies in the choice of the right fiber optic distribution system. CAN-ODF-700 solution provides flexible cabling access, expandable frame concept, integrated cable management and a future proof modular design with the highest termination capacity possible and superior cable management. High density side access type of module is also designed to fit a variety of termination, splice, and storage applications.

Highlights

- Standard 19"& ETSI installations
- Designed to be used together with high density side access type modules
- Maximum fiber density of 2016 ports (Splice&patch) and superior cable management
- Special cable glands to fix the maximum number of bundle cables on the ground
- Slot type cable guide compartments to feed the modules via miniflex tubes
- No crushed or stressed fibers
- Wide range of splice, patch and cable storage options
- Bend Radius Protection of 35 mm throughout entire frame and all modules
- Max Cable Protection
- Interchangeable cassettes for various cable/tube counts and connector styles
- Accepts WDM and splitter cassettes
- Integral patchcord management

Density Information:

- 14 Modules in 47 U Frame
- LC, FC, ST, MTRJ, E-2000 interfaces etc available
- The Frames are compliant to Telcordia Specification GR-449-core

Technical Details

Dimensions 900 mm (W) x 300 mm (D) x 2200 mm (H)
Material Mild Steel
Color Powder coat RAL7035
Weight 120 kg / empty
Maximum port capacity **2016 Port (Splice&Patch)**
Maximum High Density Side Access Modules:
14 x 3U Module (144 ports) =2016 ports of any SFF connector/frame
Compliance GR-449-core of Telcordia Specification

Applications

Fiber Tranmission Networks in Telco`s Central Office applications , FTTX applications, Fiber exchange systems, Utility Networks

CAN-TROY-700

Optical Distribution Frame

High Density Side Access Troy Module CAN-TROY-700

Overview
Ultimate new design with the most advanced splice&patch system and cable management ever developed for high density applications on carrier&transmission side.

Highlights
- Compact 3 U module
- Each U accommodates 2 fiber trays with each max. capacity of 24 fibers
- Max capacity of the module is 144 fibers for SSF dublex adaptors
- Modules are rear mounted for improved access
- Fiber trays and connected patchcords can slide in and out independently as a pull -out unit
- Easy side access ensures laser safety
- Special splice cassette design, which allows splicing on one side and professional cable storage on the other side- no cable congestion!
- Cassettes are tiltable up to 135 degree for ease of installation and maintenance
- Special incoming cable fixing unit which ensures strong, easy and quick cable fixing for miniflex tubes- no need to use time consuming plastic cable ties!
- Integrated outgoing patchcord clamps and routing guides, which ensures min bend readius criteria of 35 mm and professional cable management.

Each U accommodates 2 fiber trays
Integrated patchcord mandrels
19” rear mountable

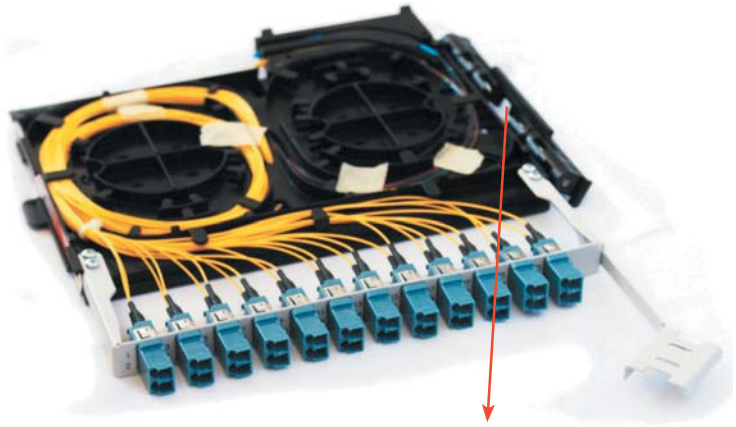
Options
- 1U Module with 48 fibers

Technical Details

Dimensions	486 mm (W) x 258 mm (D) x 133 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Maximum port capacity	144 Ports for SSF Double Connectors
Weight	4 kg

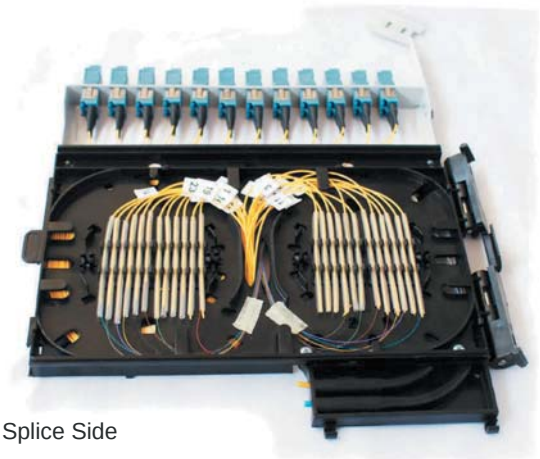
Applications
Carrier & transmission networks in central offices of Telco`s ,Outside cabinet applications, FTTX applications, Utility Networks (WAN&MAN)

Double Sided Cassette System



Storage Side

135^0 Hinge



Splice Side

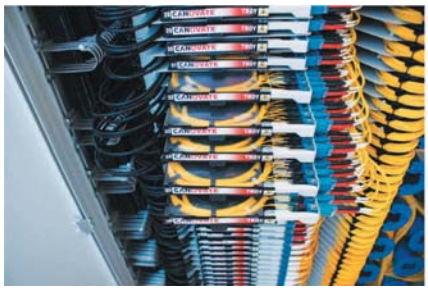
Special Incoming fiber tube fixing system

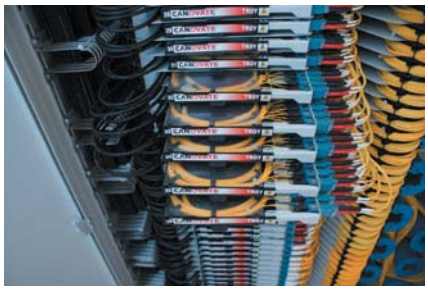
Fixing System

Optical Distribution Frame

Pull-Out Cassette System

Tiltable Double Sided Cassette System
Professional labeling on the cassettes





High Density Patch Only Troy Module CAN-TROYP-700

Overview

Ultimate new design with the most advanced patch system and cable management ever developed for high density applications on carrier&transmission side.

Highlights

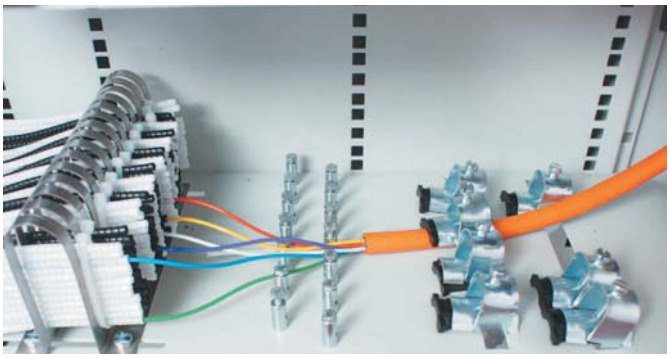
- Compact 3U module
- Each U accommodates 2 patch trays with each max. capacity of 24 fiber patching
- Max capacity of the module is 144 fibers for SFF dublex adaptors
- Modules are rear mounted for improved access
- Patchtray can slide in and out independently as a pull-out unit
- Integrated incoming and outgoing patchcord clamps and routing guides, which ensures min bend readius criteria of 35 mm and professional cable mangement

Pull out Patch Tray System

24 Port Patch Tray

Incoming Cable Management

- Provides a secure anchor for incoming loose tube cables.
- Adjustable cable glands suitable for different cable diameters.
- Provides maximum protection for loose tubes.
- Expandable-further cable glands can be added.
- Provides easy access to existing cables and rapid installation of new ones.

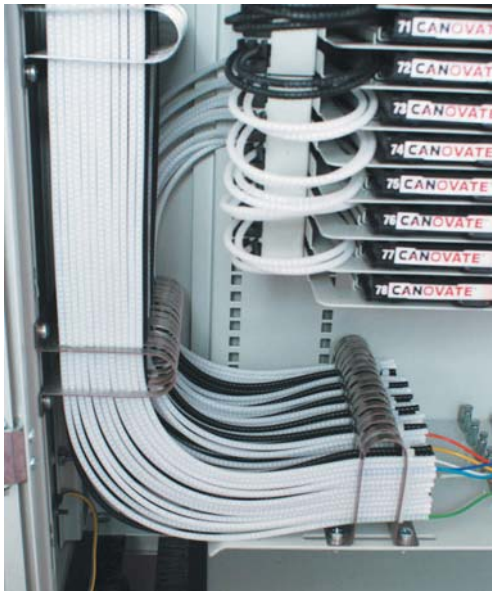



Special guiding slots ensure secure and flexible guidance of the fiber protection tubes to the splice modules.


Optical Distribution Frame

Miniflex Tubes

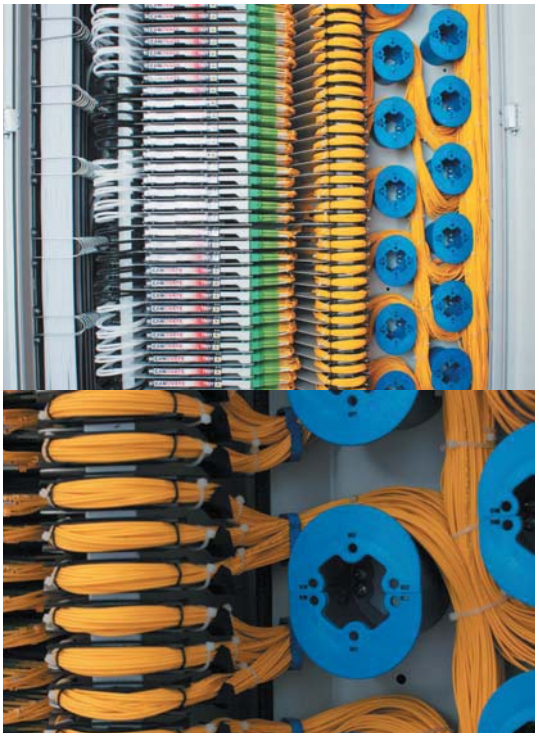
The Miniflex Optical Fiber Protection Tubing (OFPT) offers the ultimate protection to optical fibers and cables. It provides protection against crushing and kinking of fibers and hazardous tensile loads, while limiting any bends to an acceptable radius. It is the perfect cabling solution used in our Side Access High Density Optical Distribution Frame solution.



- Bending radius limitation of loose tubes
- Flexible and kink resistant
- Easy insertion of loose tube
- Flame-retardant plastic (UL94 V-0), black or white

Patchcord Management

Patchcords are guided via special mandrels and cable guides to the excess cable storage area.
Excess cables are stored via special bend radien to ensure required bending criterias.



Special Radien and Cable Managers

How to order TROY ODF system?

CAN-ODF-700-AA-BBB-CC-DD-EE				
Module Quantity	Port Capacity	Adapter Type	Mode	Pigtails
AA	BBB	CC	DD	EE
00 to 14	024 : 024 Fiber 048 : 048 Fiber 072 : 072 Fiber 096 : 096 Fiber 144 : 144 Fiber	01: ST 02: SC/PC 03: SC/APC 04: FC 05: LC/PC 06: LC/APC 07: E2000	SS: Single Mode Simplex SD: Single Mode Duplex MS: Multi Mode Simplex MD: Multi Mode Duplex	00: Without Pigtails 01: With Pigtails *900 micron, 1,5 m length **coloured option with colour codes is available
CAN-ODF-700 06-144-05-SD-01	CAN-ODF-700 ODF cabinet with 6 modules CAN-TROY-700,144 Port, LC/PC Adapter Type, Single Mode Simplex			
CAN-ODF-700-EMPTY	CAN-ODF-700 ODF cabinet without modules, only ODF frame with cable management tools			

For different configurations please contact sales department…

Optical Distribution Frame

Angora ODF System

Side Access High Density Optical Distribution Frame CAN-ODF-800

Overview

The key to a successfully managed transmission network lies in the choice of the right fiber optic distribution system. **CAN-ODF-800** solution provides flexible cabling access, expandable frame concept, integrated cable management and a future proof modular design with the highest termination capacity possible and superior cable management. High density side access type of module is also designed to fit a variety of termination, splice, and storage applications

Highlights

- Standard 19"& ETSI installations
- Designed to be used together with high density side access type modules
- Maximum fiber density of 2880 ports (Splice&patch) and superior cable management
- Special cable glands to fix the maximum number of bundle cables on the ground
- Slot type cable guide compartments to feed the modules via miniflex tubes
- No crushed or stressed fibers
- Wide range of splice, patch and cable storage options
- Bend Radius Protection of 35 mm throughout entire frame and all modules
- Max Cable Protection
- Interchangeable cassettes for various cable/tube counts and connector styles
- Accepts WDM and splitter cassettes
- Integral patchcord management

Density Information:

- 14 Modules in 47 U Frame (13x3U+1x1U module)
- LC, FC, ST, MTRJ, E-2000 interfaces etc available
- The Frames are compliant to Telcordia Specification GR-449-core

Technical Details

Dimensions 750 mm (W) x 300 mm (D) x 2200 mm (H)
Material Mild Steel
Color Powder coat RAL7035
Weight 105 kg / empty
Maximum port capacity **2880 Port (Splice&Patch)**
Maximum High Density Side Access Modules:
13 x 3U+1x1U Module =2880 ports of any SFF connector/frame
Compliance GR-449-core of Telcordia Specification

Applications

Fiber Tranmission Networks in Telco`s Central Office applications, FTTX applications, Fiber exchange systems, Utility Networks

CAN-ANG-800

Optical Distribution Frame

High Density Side Access Angora Module CAN-ANG-800

Overview

Ultimate new design with the most advanced splice&patch system and cable management ever developed for high density applications on carrier&transmission side.

Highlights

- Compact 3 U module
- Each U accommodates 2 fiber trays with each max capacity of 24 fibers
- Max capacity of the module is 216 fibers for SSF dublex adaptors
- Fiber trays and connected patchcords can slide in and out independently as a pull -out unit
- Splice cassettes are made from ABS / PC, Halogen free and flame retardant (UL94 V-0)
- Side Access feature ensures laser safety for eyes
- Integrated outgoing patchcord routing guides, which guides the patchcords smoothly to the excess patchcord storage area, while ensuring minimum bend readius criteria of 30 mm

Each U accommodates 2 fiber trays
Integrated patchcord routing guides
19” rear mountable

Options

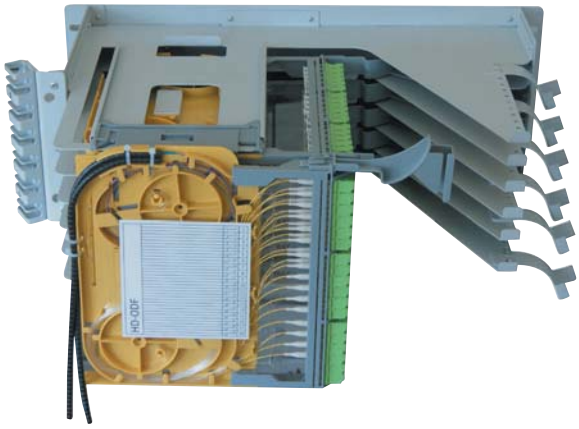
- 1U Module with 48 fibers

Technical Details

Dimensions	457 mm (W) x 252 mm (D) x 133 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Maximum port capacity	216 Ports for SSF Double Connectors
Weight	3,5 kg

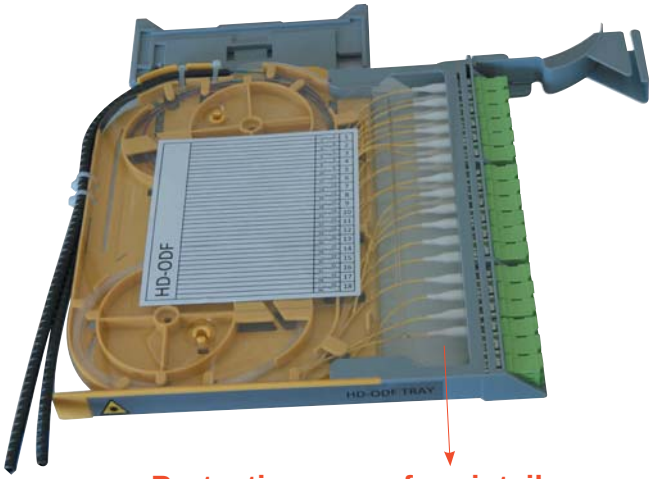
Applications

Carrier & transmission networks in central offices of Telco`s, Outside cabinet applications, FTTX applications, Utility Networks (WAN&MAN)



Pull-out Cassette System

Single Side Cassette System



Protection cover for pigtails

Optical Distribution Frame

Incoming Cable management with miniflex tubes

Patchcord Routing Guides

Miniflex tube entry inside the ODF modules

Patchcord Storage Area

How to order ANGORA ODF system?

CAN-ODF-800-AA-BBB-CC-DD-EE				
Module Quantity	Port Capacity	Adapter Type	Mode	Pigtails
AA	BBB	CC	DD	EE
00 to 14	024 : 024 Fiber 048 : 048 Fiber 072 : 072 Fiber 096 : 096 Fiber 144 : 144 Fiber	01: ST 02: SC/PC 03: SC/APC 04: FC 05: LC/PC 06: LC/APC 07: E2000	SS: Single Mode Simplex SD: Single Mode Duplex MS: Multi Mode Simplex MD: Multi Mode Duplex	00: Without Pigtails 01: With Pigtails *900 micron, 1,5 m length **coloured option with colour codes is available
CAN-ODF-800 06-144-05-SD-01	CAN-ODF-800 ODF cabinet with 6 modules CAN-ANGORA-800,144 Port, LC/PC Adapter Type, Single Mode Simplex			
CAN-ODF-800-EMPTY	CAN-ODF-800 ODF cabinet without modules, only ODF frame with cable management tools			

For different configurations please contact sales department…

Optical Distribution Frame

Ephesus ODF System

Swing Type High Density Optical Distribution Frame CAN-ODF-600

Overview

CAN-ODF-600 is an advanced optical distribution frame system which provides an ultimate solution of the complicated requirements of customers like highest possible fiber termination capacity and superior cable management. High density swing type of module is also designed to fit a variety of termination, splice, and storage applications.

Loaded ODF

Highlights

- Standard 19"& ETSI installations
- Designed to be used together with high density swing type modules
- Maximum fiber density and superior cable management
- Saves a lot of valuable floor space and rack costs
- Minimal cable movement while opening and closing the modules
- No crushed or stressed fibers
- Wide range of splice, patch and cable storage options
- Bend Radius Protection of 35 mm throughout entire frame and all modules
- Max Cable Protection
- Suitable for ribbon and non-ribbon optical fibers
- 2U horizontal cable organizer for carrying patchcords

Density Information:

- 14 Modules in 47 U Frame
- 144 LC Dublex / Module - 2016 LC Dublex / Frame
- LC, FC, ST, MTRJ, E-2000 interfaces etc available
- The Frames are compliant to Telcordia Specification GR-449-core
- Fully front accessable

Technical Details

Dimensions 900 mm (W) x 330 mm (D) x 2200 mm (H)
Color Powder coat RAL7035
Weight 123 kg / empty
Maximum port capacity 2016 Ports
Maximum High Density
Swing Modules 14 (14 x 144 = 2016 ports LC duplex / frame)
Compliance GR-449-core of Telcordia Specification

Applications

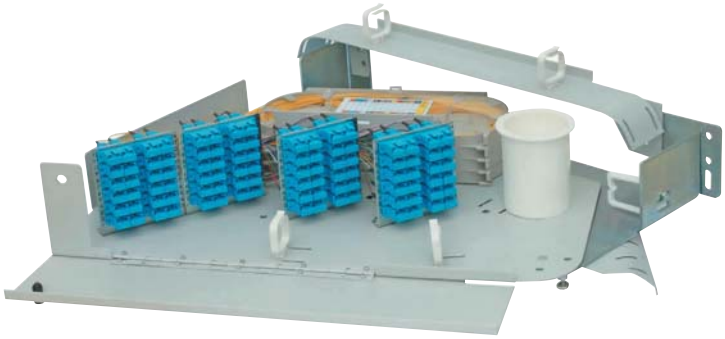
Fiber Tranmission Networks in Telco`s Central Office applications, FTTX applications, Fiber exchange systems, Utility Networks

Options

Below dimensions are available
12U: 900 mm (W) x 330 mm (D) x 950 mm(H), 62 kg
18U: 900 mm (W) x 330 mm (D) x 1192 mm(H), 72 kg
24U: 900 mm (W) x 330 mm (D) x 1459 mm(H), 85 kg

Cable Entry

Adjustable cable glands suitable for different cable diameters



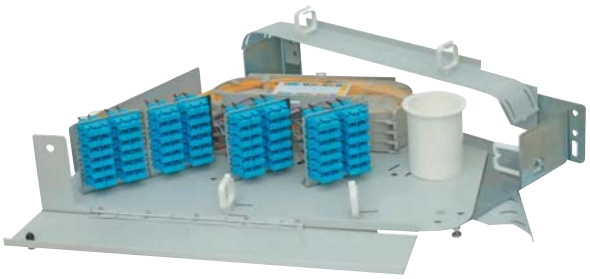
CAN-EFP-600

Optical Distribution Frame

High Density Swing Type Ephesus Module CAN-EFP-600

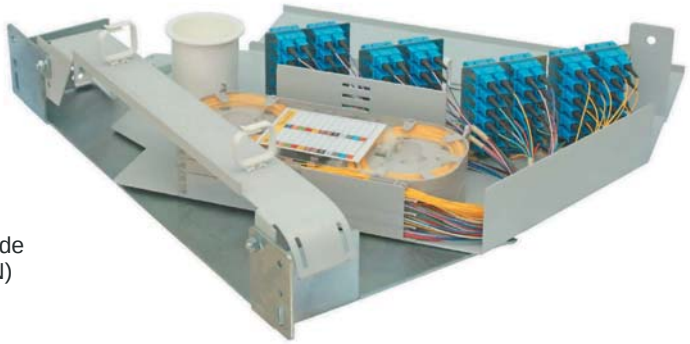
Overview

The combined splice & patch units have been developed for high-density applications . When combining splicing and patching in the same Swing-Out module, one can double the density of the frame. This also increases the Optical Fiber Jumper cable bundles between separate splice and patch modules. The modular adapter plate & number of splice cassettes can be adjusted for your specific application.



Highlights

- Modular designed for 19”/ETSI optical distribution frames
- Swing Out Splice Modules provide max fiber termination possibility with superior cable management
- Up to 144 port capacity in 3U hight
- Ensures minimal cable movement
- Swing Out Splice Modules have a spring loaded locking pin on the right side to prevent accidentally opening of the modules
- The module is automatically locked at the 90° swing out position
- You can open the cover plate to access to the patchfeld
- The cable storage unit provides excellent cable storage and routing
- Up to 6 splice cassettes and holders can be installed to a single splice module
- Patchcords leave swing out module smoothly run over the radius guide which also provides a fixing point using Hook & Loop Fasteners.



Technical Details

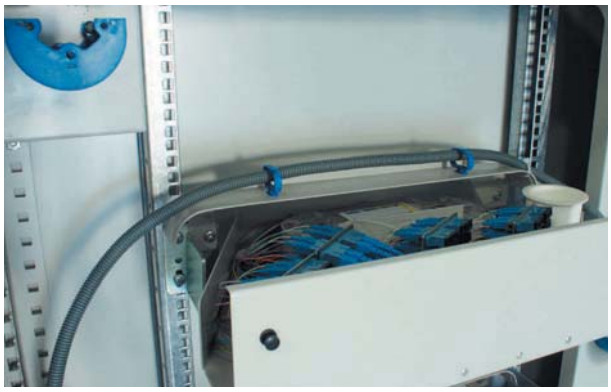
Dimensions 508 mm (W) x 300 mm (D) x 130 mm (H)
Material Mild Steel
Color Powder coat RAL7035
Weight 5,3 kg / Empty
Maximum port capacity 144 Port with LC Dublex

Applications

Carrier&transmission networks in Central offices of Telco`s Outside cabinet applications, FTTX applications, Utility Networks (WAN&MAN)

Adapter Type	Max. Port Capacity Per Module	Max. Port Capacity Per ODF
SC Simplex	72	14x72=1008
SC Duplex	96	14x96=1344
LC Simplex	112	14x112=1568
LC Duplex	144	14x144=2016
ST Simplex	100	14x100=1400
ST Duplex	96	14x96=1344
FC Simplex	100	14x100=1400

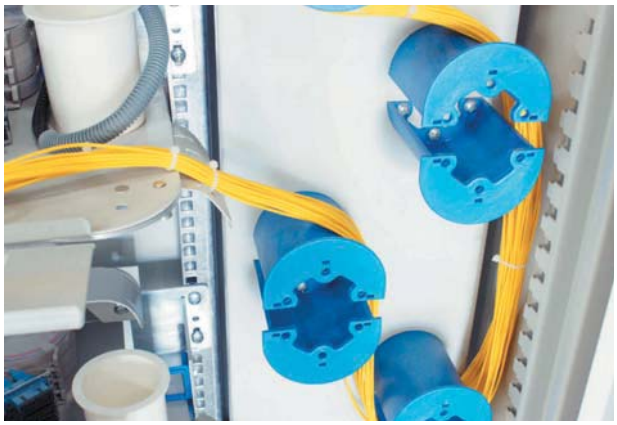
Optical Distribution Frame



Protected fibers go to the swing module and safely enter into the splice cassettes

Splicing will be done inside high density cassettes

Patchcords are routed via cable holders to the excess cable storage area



Excess cables are stored via special bendradien to ensure required bending criterias

How to order Ephesus ODF System?

CAN-ODF-600-AA-BBB-CC-DD-EE				
Module Quantity	Port Capacity	Adapter Type	Mode	Pigtails
AA	BBB	CC	DD	EE
00 to 17	024 : 024 Fiber 048 : 048 Fiber 072 : 072 Fiber 096 : 096 Fiber 120 : 120 Fiber 144 : 144 Fiber	01: ST 02: SC/PC 03: SC/APC 04: FC 05: LC 06:MTRJ 07:E2000	SS: Single Mode Simplex SD: Single Mode Duplex MS: Multi Mode Simplex MD: Multi Mode Duplex	00: Without Pigtails 01: With Pigtails *900 micron, 1,5 m length **coloured option with colour codes is available
CAN-ODF-600-10-096-01-SS-01	CAN-ODF-600 ODF cabinet with 10 module CAN-EFP-600, 96 Port ST Adapter Type, SingleMode Simplex			
CAN-ODF-600-EMPTY	CAN-ODF-600 ODF cabinet without modules only ODF frame with cable management tools			

For different configurations please contact sales department…

Optical Distribution Frame

Olympos ODF System

Pull-out Type High Density Optical Distribution Frame CAN-ODF-900

Overview

CAN-ODF-600 is an advanced optical distribution frame system which provides an ultimate solution of the complicated requirements of customers like highest possible fiber termination capacity and superior cable management. High density swing type of module is also designed to fit a variety of termination, splice, and storage applications.

Loaded ODF

Highlights

- Standard 19"& ETSI installations
- Designed to be used together with high density swing type modules
- Maximum fiber density and superior cable management
- Saves a lot of valuable floor space and rack costs
- Minimal cable movement while opening and closing the modules
- No crushed or stressed fibers
- Wide range of splice, patch and cable storage options
- Bend Radius Protection of 35 mm throughout entire frame and all modules
- Max Cable Protection
- Suitable for ribbon and non-ribbon optical fibers
- 2U horizontal cable organizer for carrying patchcords

Density Information:

- 14 Modules in 47 U Frame
- 144 LC Dublex / Module - 2016 LC Dublex / Frame
- LC, FC, ST, MTRJ, E-2000 interfaces etc available
- The Frames are compliant to Telcordia Specification GR-449-core
- Fully front accessable

Technical Details

Dimensions 900 mm (W) x 330 mm (D) x 2200 mm (H)
Color Powder coat RAL7035
Weight 123 kg / empty
Maximum port capacity 2016 Ports
Maximum High Density
Swing Modules 14 (14 x 144 = 2016 ports LC duplex / frame)
Compliance GR-449-core of Telcordia Specification

Applications

Fiber Tranmission Networks in Telco`s Central Office applications, FTTX applications, Fiber exchange systems, Utility Networks

Options

Below dimensions are available
12U: 900 mm (W) x 330 mm (D) x 950 mm(H), 62 kg
18U: 900 mm (W) x 330 mm (D) x 1192 mm(H), 72 kg
24U: 900 mm (W) x 330 mm (D) x 1459 mm(H), 85 kg

Cable Entry

Adjustable cable glands suitable for different cable diameters

Unloaded ODF

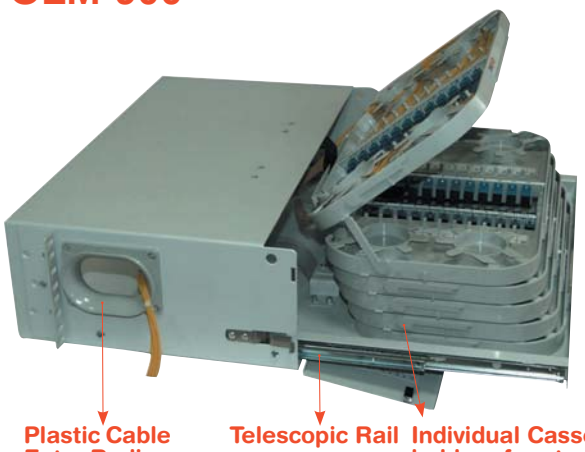
CAN-OLM-900

Optical Distribution Frame

Pull-Out Type Olympos Module CAN-OLM-900

Overview
Ultimate new design with the most advanced splice&patch system and cable management ever developed for high density applications on carrier&transmission side.

Highlights
- 3U, 2U and 1U options for different fiber capacities
- Modular designed for 19”/ETSI optical distribution frames
- Telescopic type sliding module system provides easy access
- Module provides max fiber termination possibility with superior cable management
- Up to 144 port capacity
- Ensures minimal cable movement
- 24 port capacity fiber trays are used inside
- Incoming and outgoing cables are from the sides for ease of maintenance
- Unflammable plastic cassettes are used inside
- SC, LC, FC, ST, MTRJ, E-2000 interfaces etc available

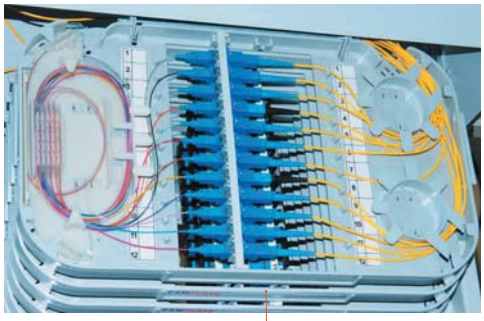


Density Information
CAN-ODF-144:3U 144 port Module : 72 pieces LC/APC Dublex adapters and 144 pieces 1.5 m LC/APC simplex pigtails,
CAN-ODF-96:2U 96 port Module : 48 pieces LC/APC Dublex adapters and 96 pieces 1.5 m LC/APC simplex pigtails,
CAN-ODF-48:1U 48 port Module :24 pieces LC/APC Dublex adapters and 48 pieces 1.5 m LC/APC simplex pigtails,

Techical Details
Material : Mild Steel 1.5 mm
Weight :5,5 kg / Empty
Color : Powder coat RAL7035

Applications
Fiber Transmission Networks in Telco`s Central Office applications , FTTX applications, Fiber exchange systems, Utility Networks

Splice&Patch Cassette



How to order Olympos ODF System?

CAN-ODF-900-AA-BBB-CC-DD-EE				
Module Quantity	Port Capacity	Adapter Type	Mode	Pigtails
AA	BBB	CC	DD	EE
00 to 14	024 : 024 Fiber 048 : 048 Fiber 072 : 072 Fiber 096 : 096 Fiber 120 : 120 Fiber 144 : 144 Fiber	01: ST 02: SC/PC 03: SC/APC 04: FC 05: LC 06:MTRJ 07:E2000	SS: Single Mode Simplex SD: Single Mode Duplex MS: Multi Mode Simplex MD: Multi Mode Duplex	00: Without Pigtails 01: With Pigtails *900 micron, 1,5 m length **coloured option with colour codes is available
CAN-ODF-900-10-096-01-SS-01	CAN-ODF-900 ODF cabinet with 10 module CAN-OLM-900, 96 Port ST Adapter Type, SingleMode Simplex			
CAN-ODF-900-EMPTY	CAN-ODF-900 ODF cabinet without modules only ODF frame with cable management tools			

For different configurations please contact sales department…

Optical Distribution Frame

Aspendos Optical Distribution Frame CAN-ODF-500

Overview

It is an advanced optical distribution frame system which provides an ultimate solution for the complicated requirements of customers like highest possible fiber termination capacity and superior cable management.

Benefits

- Dimensions : hxwxd: 2200x900x300 (ETSI standart)
- Standart 19”& ETSI installations
- The mounting frame is accessible from all the sides, front, rear, bottom and top
- The ODF rack is expandable and modular , side to side and back to back assembly is possible
- Designed to be used together with high density splice&patch Modules
- Special cable management sections on the left and right side with cable management mandrels and individual doors
- Maximum fiber density and superior cable management
- Suitable for ribbon fiber management
- Special cable glands to fix the maximum number of bundle cables on the ground
- No crushed or stressed fibers
- Wide range of splice, patch and cable storage options
- Bend Radius Protection 40 mm throughout entire frame
- Max Cable Protection
- Accepts WDM and splitter cassettes
- Integral patchcord management
- Earthing bar and earthing through the entire frame via earthing kits..

Techical Details

Dimensions :900 mm (W) x 300 mm (D) x 2200 mm (H)
Compliance :GR-449-Core of Telcordia Specification
Finish :Powder coat RAL7035
Weight :120 kg / empty

Applications

Fiber Transmission in Telco’s Central Office Applications FT applications, Fiber exchange systems, Utility Networks

CAN-ASP-500

Adapter Type	Max. Port Capacity Per Module	Max. Port Capacity Per ODF
SC Simplex	48	8x48=384
SC Dublex	96	8x96=768
LC Simplex	72	8x72=576
LC Dublex	96	8x96=768
ST Simplex	96	8x96=768
ST Dublex	96	8x96=768
FC Simplex	96	8x96=768

Optical Distribution Frame

Cascade Type Aspendos Module
CAN-ASP-500

Overview

These modules are constructed from detachable cascade type swing out frames, which provides superior cable management and ease of termination

Highlights

- Modular designed for 19”/ETSI optical distribution frames
- Up to 96 port capacity in 5.5U hight
- Manages small & large quantities of fiber with a high packing density
- Easy to maintain and extend Fiber bend radius control -> 40mm
- Capacity of up to 96 ports
- Efficient cable management
- Swing type splice and distribution (patching) trays are inserted inside the module
- Each module has reliable position guiding devices
- Trays can be pulled out from the unit
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

Patchcord
Storage Option

Technical Details

Dimensions 465 mm (W) x 275 mm (D) x 250 mm (H)
Material Mild Steel
Color Powder coat RAL7035 or RAL9005
Maximum Port Capacity 96 Port with SC Duplex
Weight 6.5 kg (only metal body)
Maximum Port Capacity in 47 U frame 768 Ports
Maximum Modules Capacity 8 (8 x 96 = 768 port SC duplex

How to order Aspendos ODF System?

CAN-ODF-500-AA-BBB-CC-DD-EE				
Module Quantity	Port Capacity	Adapter Type	Mode	Pigtails
AA	BBB	CC	DD	EE
00 to 8	024 : 024 Fiber 048 : 048 Fiber 072 : 072 Fiber 096 : 096 Fiber 120 : 120 Fiber 144 : 144 Fiber	01: ST 02: SC/PC 03: SC/APC 04: FC 05: LC 06:MTRJ 07:E2000	SS: Single Mode Simplex SD: Single Mode Duplex MS: Multi Mode Simplex MD: Multi Mode Duplex	00: Without Pigtails 01: With Pigtails *900 micron, 1,5 m length **coloured option with colour codes is available
CAN-ODF-500-07-096-01-SS-01	CAN-ODF-500 ODF cabinet with 7 module CAN-ASP-500, 96 Port ST Adapter Type, SingleMode Simplex			
CAN-ODF-500-EMPTY	CAN-ODF-500 ODF cabinet without modules only ODF frame with cable management tools			

For different configurations please contact sales department…

Optical Distribution Frame

Optical Distribution Frame with Extra Cable Management CAN-ODF-1000

Overview

It is an advanced optical distribution frame system which provides an ultimate solution for the complicated requirements of customers like highest possible fiber termination capacity and superior cable management.

Highlights

- Dimensions : hxwxd: 2200x1050x300 (ETSI standart)
- Standart 19”& ETSI installations
- The mounting frame is accessible from all the sides, front, rear, bottom and top
- The ODF rack is expandable and modular , side to side and back to back assembly is possible
- Designed to be used together with high density splice&patch Modules
- Special cable management sections on the left and right side with cable management mandrels and individual doors
- Maximum fiber density and superior cable management
- Suitable for ribbon fiber management
- Special cable glands to fix the maximum number of bundle cables on the ground
- No crushed or stressed fibers
- Wide range of splice, patch and cable storage options
- Bend Radius Protection 40 mm throughout entire frame
- Max Cable Protection
- Accepts WDM and splitter cassettes
- Integral patchcord management
- Earthing bar and earthing through the entire frame via earthing kits..

Techical Details

Dimensions	:1050 mm (W) x 300 mm (D) x 2200 mm (H)
Compliance	:GR-449-Core of Telcordia Specification
Finish	:Powder coat RAL7035
Weight	:125 kg / empty

Applications

Fiber Transmission in Telco’s Central Office Applications FT applications, Fiber exchange systems, Utility Networks

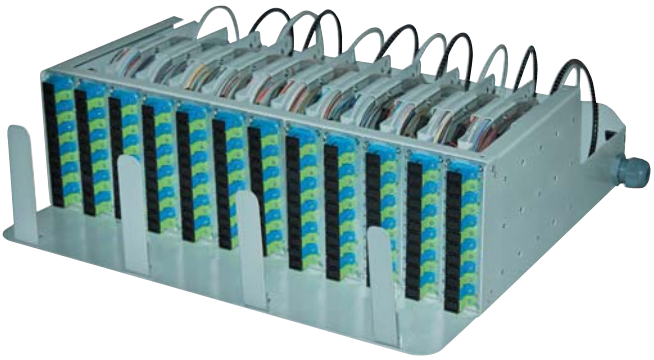
Cable Glands for incoming cable

Optical Distribution Modules

Gordion Front Access Module CAN-GOR-400

Overview

Designed to make splice&patch applications in high density environments where front access is desired especially on the carrier&transmission side.



Highlights

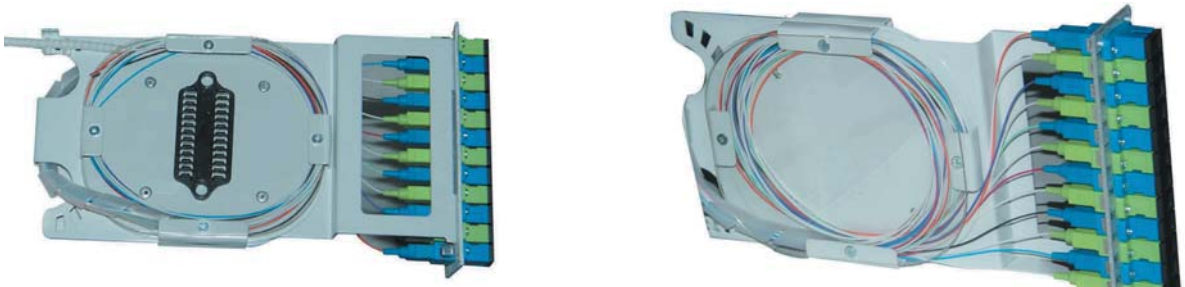
- 3U hight module
- Confirms 19” or ETSI
- Modular structure with plug-in splice&patch modules
- Can accomodate up to 12 plug-in modules
- Max 288 fiber termination can be achieved with LC Dublex adaptors
- Miniflex tubes to protect incoming buffer cable
- Etiquette for fibers identification on the front face
- 100% Compatible to Bellcore GR-326 standards
- Confirmity to every type of connectors (ST, SC, FC, LC, MTRJ,E2000, etc.)

Technical Details

Dimensions	441 mm (W) x 390 mm (D) x 133 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Weight	8,5 kg

Applications

In ODF`s and high density outdoor fiber applications at Carrier&Transmision level, FTTX applications, Utility Companies.



Double sided spice&storage cassette

Optical Distribution Modules

Lydia ODF Module CAN-LYD-300

Overview

The Pre-loaded Splice & Patch Shelf of Canovate is especially designed for the quick and simple splicing of large amounts of fibers. Besides the superior quality of the shelf, Canovate introduces a new aspect: The Design The shelf is equipped for the splicing of 96 fibers on 2U and all types of fibers, including Air Blown Fiber.

Benefits

The ease of the installation, the outstanding quality and last but not least the stunning design: that's what the shelf of Canovate stands for!

• The shelf can be used with a minimum depth of 100 mm from the front of the cabinets and the 19 inch frame.

• The shelf can be used in cabinets with a minimum mounting depth of 300 mm.

• The pivoting shelf is completely equipped. Everything is positioned and mounted in the shelf. The pigtails are stripped and inserted in the trays.

•The shelf is prepared for the termination of 96 fibers cable.

•The shelf is prepared for the termination of tubes with more than 12 fibers.

•The shelf pivots through 90 degrees. You have always access to the spices for repair or maintenance. Even when the shelf is fully patched.

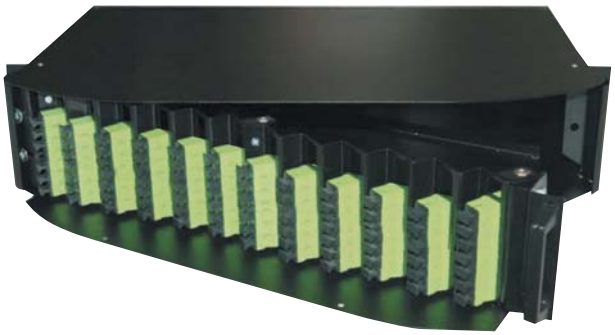
•The mounting plate for the spice trays has a tip-up with a lock. The splicing engineer has easy and safe access to the spice trays.

Product Features

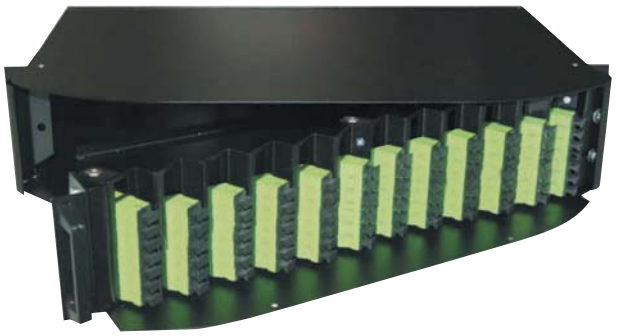
- 19" housing, steel, 2U (1U 48 port is available)
- Powder coating, Black
- Dimensions:440 mm(W) x 295 mm(D)
- Pivoting Shelf left (right option is available)
- Removable top
- Angled positioning adapters
- Mounting plate for trays
- Transparent protection cap pigtails
- Mounting materials, Cage nuts
- Cable management pigtails
- 96 x SC/APC simplex adaptors
- 96 x SC/APC 8° 1.5 meter pigtails, G657A
- 8 x splice tray
- Splice holders for 12 ANT protectors
- LC, FC, ST, MTRJ, E-2000 interfaces etc available

Applications

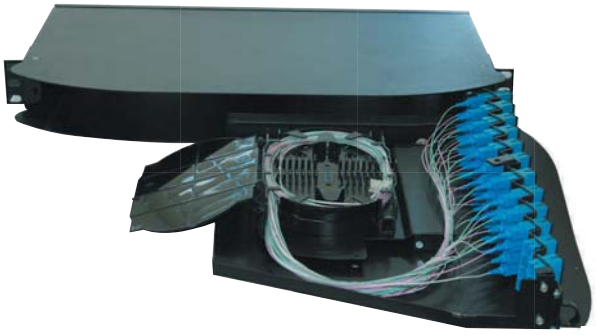
The pivoting shelf is delivered including adapters, pigtails, splice trays and mounting materials. Unique is the pre-assembly of the shelf. This means that all the components are mounted in the shelf (Pre-loaded). On location you just have to insert the cable and can start immediately with the splicing.



96 Port Angled ODF(Pivoting Shelf left)



96 Port Angled ODF(Pivoting Shelf right)



48 Port Angled ODF(Pivoting Shelf right)

Optical Distribution Modules

Assos Pivot Type ODF Module CAN-ASO-100

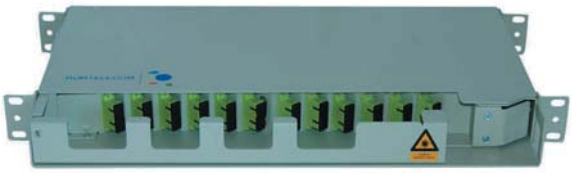
Overview

Ultimate new design with the most advanced splice&patch system and cable management ever developed for high density applications on carrier&transmission side.

Highlights

- 1U and 2U options for different fiber capacities
- Modular designed for 19”/ETSI optical distribution frames
- Pivot (Swing) type sliding Aluminum module system provides easy access
- Module provide max fiber termination possibility with superior cable management
- Magnetic lock system ensures easy closing/opening of the unit up to 24 port capacity
- Ensures minimal cable movement
- 24 port capacity fiber trays are used inside
- Cable glands are used to protect and fix incoming and outgoing fibers
- Incoming cable protection tube inside
- Unflammable plastic cassettes are used inside
- SC, LC, FC, ST, MTRJ, E-2000 interfaces etc available

1U Module



2U Module

Density Information

1U 24 Port Module- 2U 48 Port Module

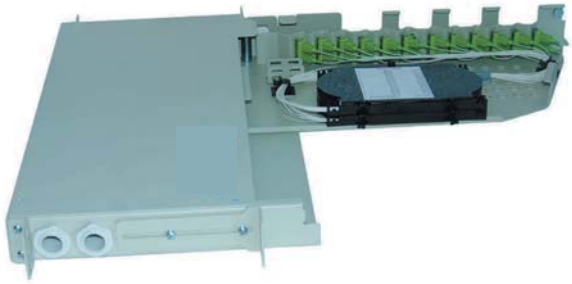
Applications

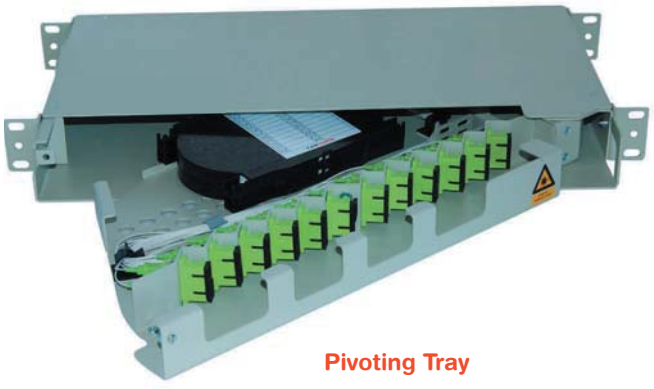
Fiber Tranmission Networks in Telco`s Central Office applications, FTTX applications, Fiber exchange systems, Utility Networks

Technical Details

Dimensions	485 mm (W) x 260 mm (D) x 1U/2U (H)
Compliance	GR-449-core of Telcordia Specification
Finish	Powder coat RAL7032
Weight	1.5/1.9 kg
Material	Aluminum

Inside view





Pivoting Tray

Optical Distribution Modules

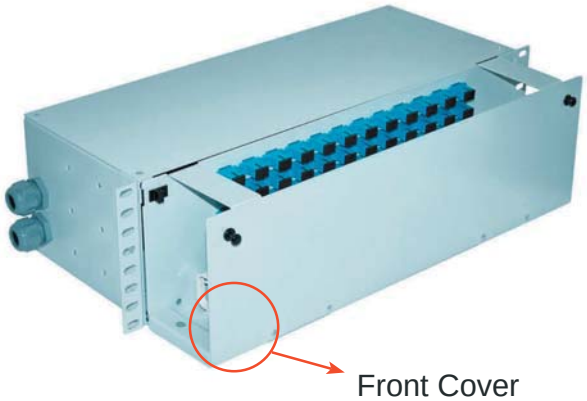
Pergamon ODF Module CAN-PGM-200

Overview

Provides professional cable management and fiber termination with smooth telescopic pull-out rail system

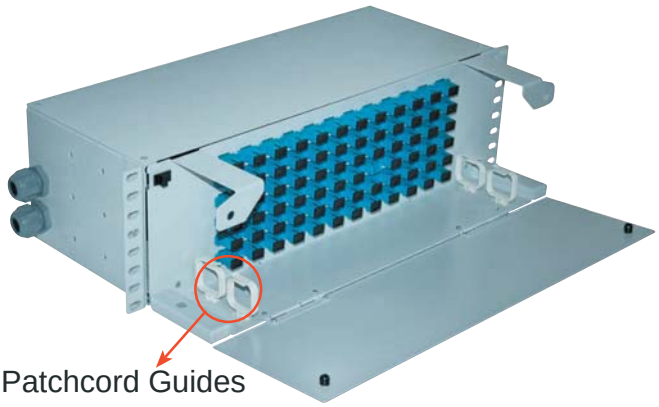
Highlights

- 3U version (72 and 96 ports capacity)
- Smooth and convenient telescopic rail system
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Easy to maintain and extend
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35mm
- Capacity of up to 96 ports
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible)



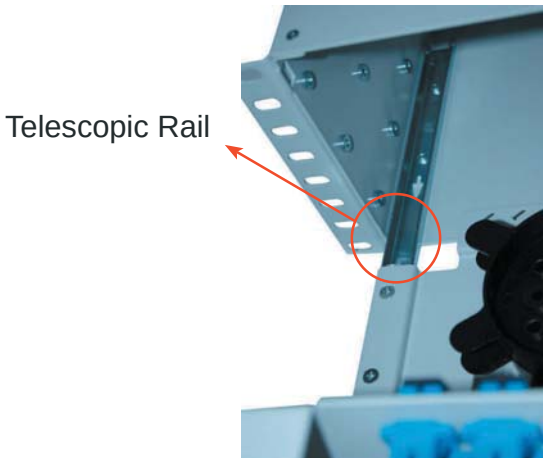
Technical Details

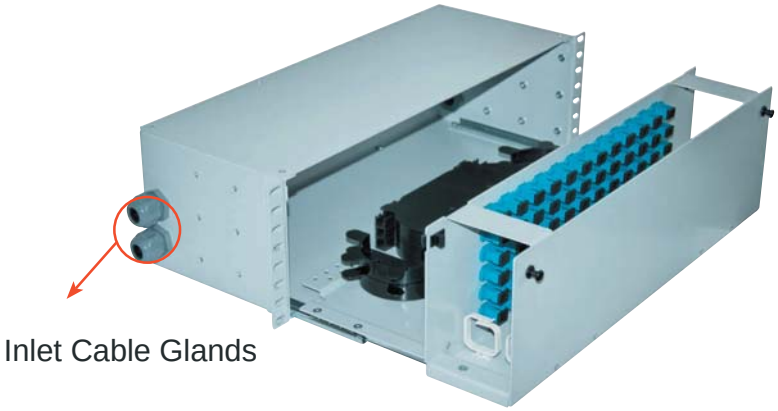
Dimensions	(19”) 465 mm (W) x 270 mm (D) x up to 4U (H)
Material	DKP
Color	Powder coat RAL7035 or RAL9005
Weight	6.650 kg
Maximum Port Capacity	96 Ports

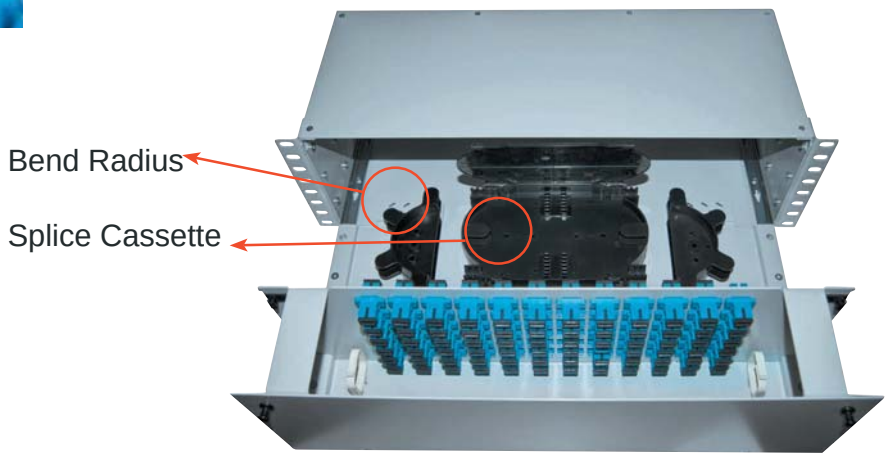


Applications

FTTX applications, Datacenter and LAN & WAN projects







Optical Distribution Modules

High density swing type SCM module CAN-SCS-10X

Overview

Single Circuit Management (SCM) is used for special high density applications where the networks requires regular updates. With this system you can have the flexibility to work just only on one cassette with 2 splices without disturbing neighbouring cassettes.

Canovate Swing type 3U SCM high density fiber module is a perfect solution for ODF systems and fiber cross cabinets in specialised applications with higher handling and reliability requirements, Access to the fibers is possible by folding away neighbouring cassettes,without disturbing previously spliced fibers. The bend radius limitation of 35 mm is ensured throughout the cassettes and the module itself.

Highlights

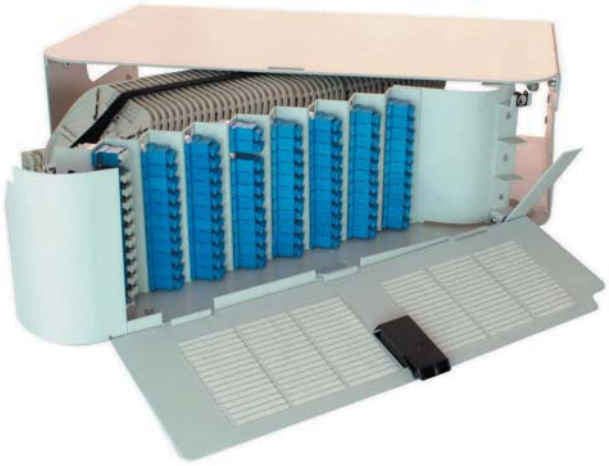
- Modular designed for 19"/ETSI optical distribution frames
- Swing Out Splice Modules provide max fiber termination possibility with superior cable management
- 3U module with 144 ports
- 2 x splices per cassette (72 SCM cassettes)
- Ensures minimal cable movement
- Swing Out Splice Modules have a spring loaded locking pin on the left side to prevent accidentally opening of the modules
- The module is automatically locked at the 90° swing out position
- You can open the cover plate to access to the patchfield
- The cable storage unit provides excellent cable storage and routing

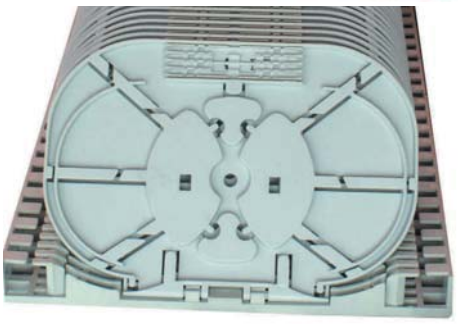
Technical Details

Dimensions	508 mm (W) x 300 mm (D) x 130 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Weight	5 kg

Features of splice cassette:

Minimum bending radius 35mm
2 x splices per cassette
Integrated pigtail fixing 0.9 mm
Robust hinge
Material: ABS/PC, Halogen free and flame-retardant





Single Circuit Cassette System

Splice Only Module CAN-SPLICE-10X

Overview

Designed to make splice only applications in high density environments especially on the carrier&transmission side.

Highlights

- 1U and 2U module options
- Confirms 19" or ETSI
- Easy access with Telescopic rail pull-out system
- Special Protection tubes and bend radien to protect the incoming fiber from bending and guide the fibers to the special designed splice cassettes in a professional way
- Special splice cassettes of 12 or 24 port capacity with professional cable storage and protection
- The splice area is protected by the cover plate
- 100% Compatible to Bellcore GR-326 standards

Technical Details

Dimensions	484 mm (W) x 290 mm (D) x 90 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Weight	4,5 kg / empty

Applications

In ODF`s and high density outdoor fiber applications at Carrier&Transmision level, FTTX applications, Utility Companies

Optical Distribution Modules

Patch Only module CAN-PATCH-10X

Overview

Designed to make patch only applications in high density enviroments especially on the carrier&transmission side.

Highlights

- 3U hight module
- Confirms 19” or ETSI
- Patchcords leave swing out module smoothly run over the radius guide which also provides a fixing point using Hook & Loop Fasteners
- Swing Out feature of the module have a very important benefit as minimal cable movement
- Swing Out Modules have a spring loaded locking pin on the right side to prevent accidentally opening of the modules
- The module is automatically locked at the 90° swing out position
- The patch area is protected by the cover plate
- Interchangable and modular adoptor interface
- 100% Compatible to Bellcore GR-326 standards
- Confirmity to every type of connectors (ST, SC, FC, LC, MTRJ, E2000, etc.)

Technical Details

Dimensions	495 mm (W) x 300 mm (D) x 130 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Weight	5,25 kg / empty

Applications

In ODF`s and high density outdoor fiber applications at Carrier&Transmision level, FTTX applications, Utility Companies

1U Patch Cord Drawer CAN-STOR-200

Overview

CAN-STOR-200 ensures professional management and storage for extra lenght of patch cords

Highlights

- 1U unit
- Confirms 19” or ETSI installations
- Professional and advanced cable management inside
- Quick-stud system ensures easy closing /opening of the unit
- Easy access with telescopic slide-in pull-out system
- Cable entry from the rear and sides
- Special Protection tubes and bend radien for protecting the incoming patch cords in a professional way
- 100% Compatible to Bellcore GR-326 standards

Technical Details

Dimensions	465 mm (W) x 272 mm (D) x (H) 44,45 mm 1U
Material	Mild Steel, 1.5 mm
Color	Powder- Coated Median Grey NCS 2502B
Weight	3 kg (1U) / empty

Inside view and cable management

Applications

FTTX applications, Datacenter and LAN &WAN projects

GPON Splitter Modules

GPON Splitter Modules

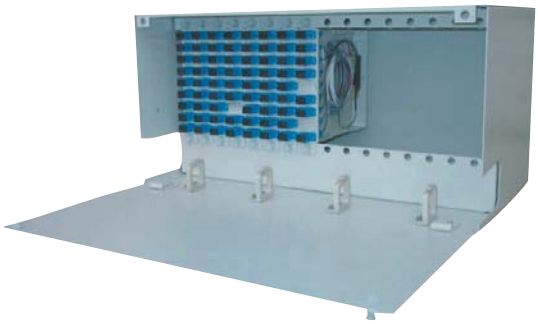
Front Access Splitter Module CAN-FSPLIT-10X

Overview

Modular splitter module designed for high density splitting applications in Optical Distribution Frames and outdoor distribution hubs

Highlights

- 3U Height Aluminum Chassis for Rack Mountable applications
- Modules with integrated, high-quality splitters and pre-terminated fiber ends
- Splitter configuration 1:2, 1:4, 1:8 options per module
- Front facing orientation of adaptors for fast access to connectors and patchcords
- Etiquette for fibers identification on the front face
- 100% Compatible to Bellcore GR-326 standards
- High Reliability
- Low Insersion Loss
- Compact Size



Technical Details

Dimensions	441 mm (W) x 390 mm (D) x 133 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Weight	8,5 kg

Applications

In ODF`s and high density outdoor fiber applications at Carrier&Transmision level, FTTX applications, Utility Companies

1U 4 X 2:32 Splitter Module with Brush Entry CAN-RSPLIT-106

Overview

Ensures professional splitting and branching of fiber based on bandwith requirements with mechanical splitters and provides professional cable management

Highlights

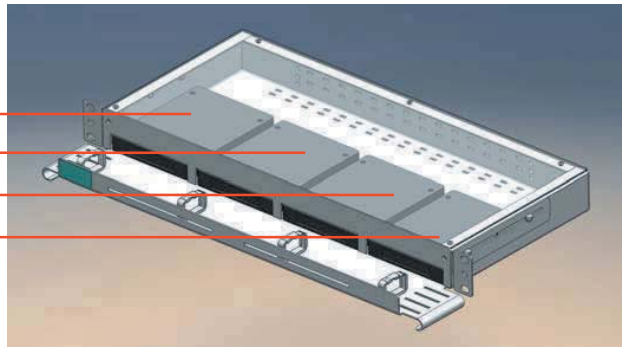
- Confirms 19” or ETSI installations
- 1U module with brush cable entry
- Quick-stud system ensures easy closing /opening of the unit
- Special bend radien for protecting the incoming and outgoing fiber from bending
- 100% Compatible to Bellcore GR-326 standards
- Four pieces 2:32 splitters can be installed inside

Technical Details

Dimensions 443 mm (W) x 200 mm (D) x 44 mm (H)
Material Mild Steel, 1.5 mm
Color Powder- Coated Median Grey NCS 2502B
Weight 3 kg (1U)

Applications

FTTX applications, Datacenter and LAN &WAN projects



GPON Splitter Modules

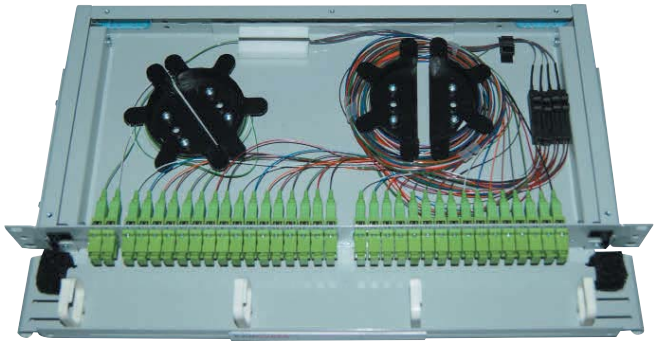
Splitter Module CAN-RSPLIT-10X

Overview

Ensures professional splitting and branching of fiber based on bandwith requirements with mechanical splitters and provides professional cable management

Highlights

- Confirms 19” or ETSI installations
- 1U (enables splitting up to 32 ports)
- Fiber trays with integrated, high-quality splitters and preterminated fiber ends
- Quick-stud system ensures easy closing /opening of the unit
- Easy access with Telescopic rail pull-out system
- Special bend radien for protecting the incoming and outgoing fiber from bending
- 100% Compatible to Bellcore GR-326 standards
- 1:2, 1:4, 2:4 , 1:8, 2:8 , 1:16, 2:16; 1: 32, 2:32 splitters of all connector types can be embedded inside



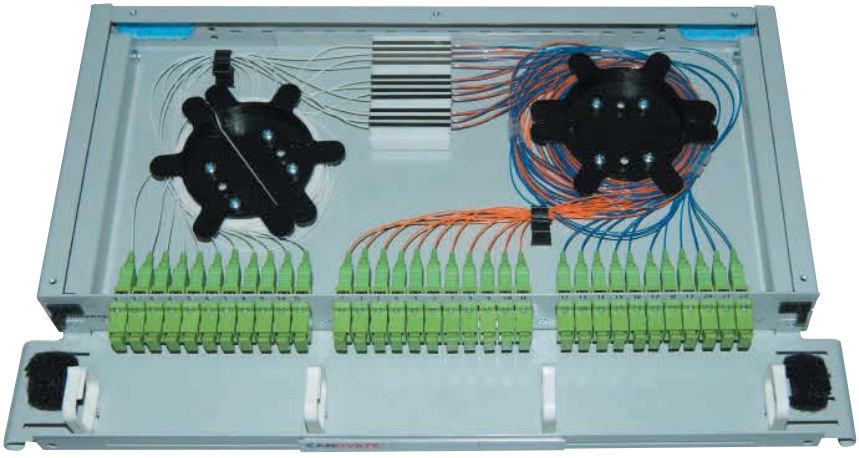
Technical Details

Dimensions	443 mm (W) x 272 mm (D) x 44 mm (H)
Material	Mild Steel, 1.5 mm
Color	Powder- Coated Median Grey NCS 2502B
Weight	4,5 kg (1U)

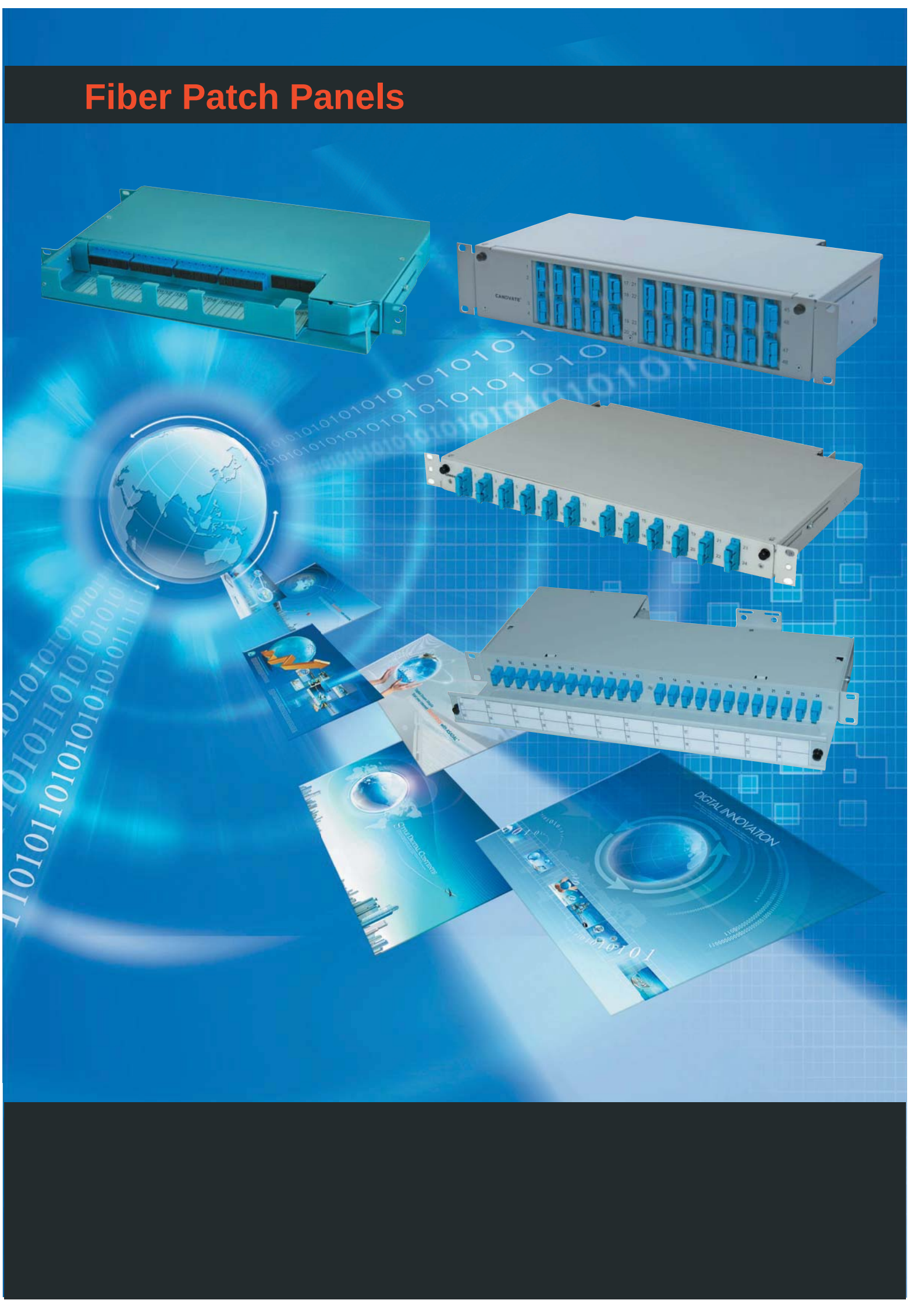
Applications

In ODF`s and high density outdoor fiber applications on Carrier&Transmision level, FTTX applications, Utility Companies

Splitter Type	Splitter Quantity	Product code
1X2 SC/APC	11	CAN-RSPLIT-101
2X4 SC/APC	1	CAN-RSPLIT-102
2X8 SC/APC	1	CAN-RSPLIT-103
2X16 SC/APC	1	CAN-RSPLIT-104
2X32 SC/APC	1	CAN-RSPLIT-105



Fiber Patch Panels

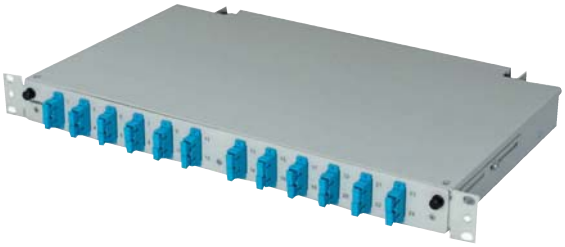


Fiber Patch Panel

1U/2U 19” & ETSI Fiber Optic Patch Panel with Telescopic Rails CAN-FPP-100

Overview

Provides professional cable management and fiber termination with smooth telescopic pull-out rail system

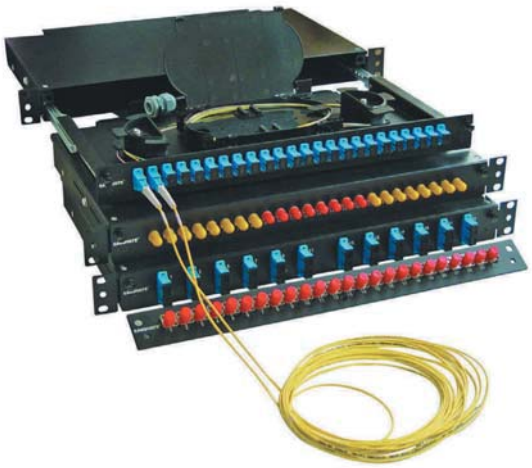


Highlights

- 1U and 2U versions (12,24, 36 and 48 port capacity)
- Smooth and convenient mechanical sliding system
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Easy to maintain and extend
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control of 35mm
- Capacity of up to 48 ports
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible)

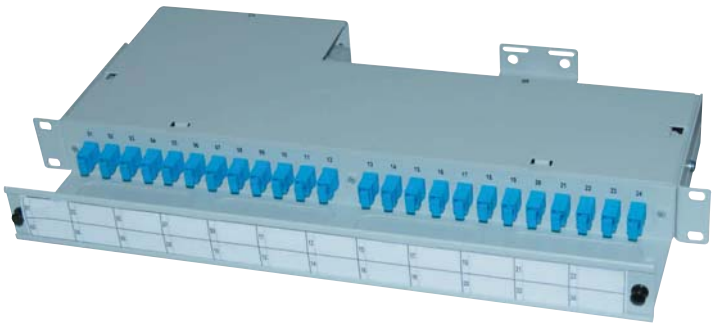
Technical Details

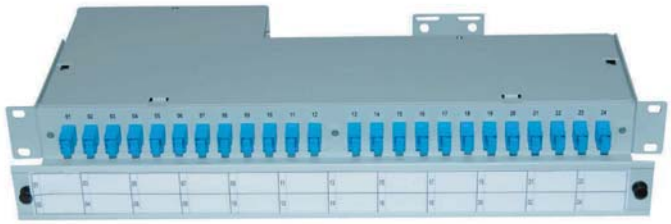
Dimensions	(19”) 465 mm (W) x 265 mm (D) x 1U (H)
Material	Mild Steel
Color	Powder coat RAL7035 or RAL9005
Weight	2 kg
Maximum Port Capacity	48 Ports



Applications

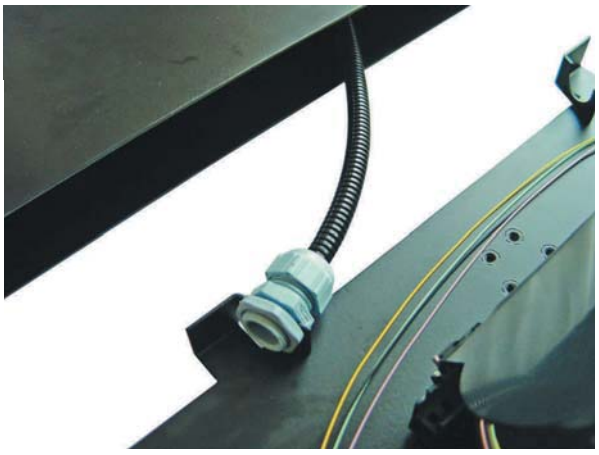
FTTX applications, Datacenter and LAN & WAN projects





Various Adapter Types

Incoming Cable Protection Tube



Fiber Patch Panel

1U/2U 19” & ETSI Angled Patch Panels with Telescopic Rails CAN-FPP-200

Overview

Ensures professional cable management and limits the risk of health problems due to laser contact to eyes. Side facing fiber position for high laser safety.

Highlights

- 1U and 2U versions (12,24, 36 and 48 port capacity)
- Confirms 19” or ETSI
- Professional and advanced cable management with 45 degree adaptor interface
- Angled adaptor interface protects your eyes from undesired contact with laser beam coming from the adaptors-Laser safety!
- Quick-stud system ensures easy closing /opening of the front cover
- Easy access with Telescopic rail pull-out system
- Special Protection tubes and bend radien for protecting the incoming fiber from bending and guiding the fibers to the special designed splice cassettes in a professional way
- Special splice cassettes of 12 or 24 port capacity with professional cable storage and protection
- 100% Compatible to Bellcore GR-326 standards
- Confirmity to every type of connectors (ST, SC, FC, LC, MTRJ, E2000, etc.)

Technical Details

Dimensions 465 mm (W) x 238 mm (D) x 88,15 mm (H) 2U, 44,45 mm 1U
Material Mild Steel
Color Powder coat RAL7035 or RAL9005
Weight 6 kg (2U), 4 kg (1U)

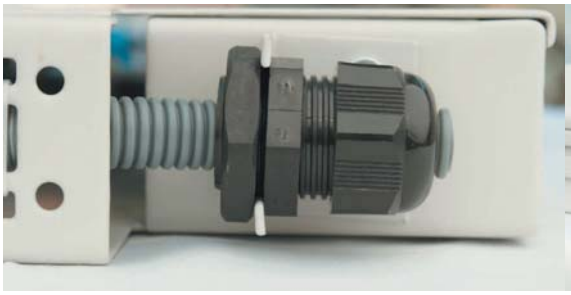
Applications

FTTX applications, Datacenter and LAN & WAN projects

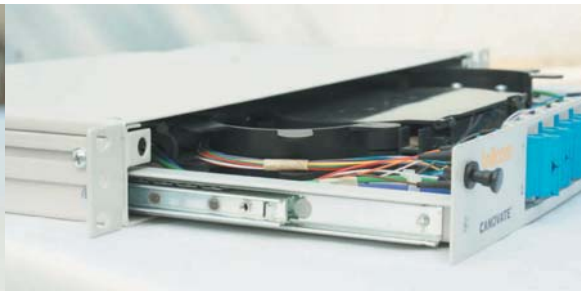
1U Version

2U Version

Secured cable entry



Telescopic Rail System



Fiber Patch Panel

1U 19” & ETSI Telescopic Fiber Optic Patch Panel with Cable Manager CAN-FPP-500

Overview

Ensures professional cable management and ease of fiber termination with front cable manager for patchcords

Highlights

- 1U version (12 and 24 port capacity)
- Telescopic rail system with front cable management for patchcords
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35mm
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

Technical Details

Dimensions (19”) 465 mm (W) x 280 mm (D) x 1U (H)
Material Mild Steel
Color Powder coat RAL7035 or RAL9005
Weight 2 kg
Maximum Port Capacity 48 Ports

Applications

FTTX applications, Datacenter and LAN & WAN projects

Inside view

1U/2U 19” & ETSI Fiber Optic Patch Panel with Mechanical Sliding Mechanism CAN-FPP-300

Overview

Provides professional cable management and ease of fiber termination with a cost effective mechanical pull-out mechanism

Highlights

- 1U and 2U versions (12,24, 36 and 48 port capacity)
- Smooth and convenient mechanical sliding system
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35mm
- Capacity of up to 48 ports
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

Technical Details

Dimensions (19”) 465 mm (W) x 280 mm (D) x 1U (H)
Material Mild Steel
Color Powder coat RAL7035 or RAL9005
Weight 2 kg
Maximum Port Capacity 48 Ports

Applications

FTTX applications, Datacenter and LAN & WAN projects

Fiber Patch Panel

1U/2U 19” & ETSI Fixed Fiber Optic Patch Panel CAN-FPP-400

Overview

Ensures professional cable management and ease of fiber termination in a cost effective way

Highlights

- 11U and 2U versions (12,24, 36 and 48 port capacity)
- Cost effective non-pull out system for budgetary applications
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35mm
- Capacity of up to 48 ports
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

Technical Details

Dimensions (19”) 465 mm (W) x 280 mm (D) x 1U (H)
Material Mild Steel
Color Powder coat RAL7035 or RAL9005
Weight 2 kg
Maximum Port Capacity 48 Ports

Applications

FTTX applications, Datacenter and LAN & WAN projects

Miscellaneous Fiber Patch Panels

19” 1U Fiber Patch Panel 12 Port SC Simplex with Telescopic Rail

19” 1U Fiber Patch Panel 24 Port SC Simplex

19” 1U Fiber Patch Panel 24 Port SC Duplex with Telescopic Rail

19” 1U Fiber Patch Panel 24 Port SC Simplex with Telescopic Rail

19” 1U Fi Fiber Patch Panel 24 Port SC Duplex Fixed

19” 1U Fiber Patch Panel 24 Port MTRJ Duplex with Sliding Rail

19” 1U Fiber Patch Panel 24 Port MTRJ Duplex with Sliding Rail

19” 1U Fiber Patch Panel 24 Port ST Simplex with Sliding Rail

How to order fiber patch panels?

CAN-FPP-X00-XX-AA-BBB-CC-DD-EE					
Model Number of CAN-FPP Series Patch Panels	Port Capacity XX	Adapter/Coupler Type AA	Mode/Type BB	Pigtails CC	Splice Cassette DD
CAN-FPP-100: 19” 1U Fiber patch panel with telescopic rails CAN-FPP-200: 19” 1U Angled Fiber patch panel with telescopic rails CAN-FPP-300: 19” 1U Fiber patch panel with mechanical sliding mechanism CAN-FPP-400: 19” 1U Fixed Fiber patch panel CAN-FPP-500: 19” 1U Telescopic Fiber patch panelwith Cable Manager	06: 06 Fiber 12: 12 Fiber 24: 24 Fiber 48: 48 Fiber	01:ST 02: SC/PC 03: SC/APC 04: FC 05: LC 06: MTRJ 07: E2000	SS: Single Mode Simplex SD: Single Mode Duplex MS: Multi Mode Simplex MD: Multi Mode Duplex	01:ST 02: SC/PC 03: SC/APC 04: FC 05: LC/PC 06: LC/APC 07: E2000 08: DIN 09: MTRJ	01:with splice cassette and cable management tools 00: without splice cassette and management tools
CAN-FPP-100-024-02-SD-02-01	19” 1U Fiber Patch Panel with telescopic rail including 24 port SC Duplex adapters with single mode pigtails and cassettes				

 For different configurations please contact sales department…

Fiber Patch Panel

1U 19” & ETSI Swing Type Fiber Optic Patch Panel CAN-PVT-50X

Overview

Ensures professional cable management and ease of fiber termination with front cable manager for patchcords

.

Highlights

- 1U version 24 ports capacity (up to 30 ports)
- Swing Out system with front cable management for patchcords
- Manages small & large quantities of fiber with a high packing density
- Cable glands to secure the incoming fiber, allows min movement
- Fiber guide tubes to protect and direct the fibers to the cassettes in a professional way
- Minimum bend radius of fibers and strain relief for all entry cables
- Fiber bend radius control - < 35mm
- All known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible.

Density Information

1U 24 ports Module: 24 pieces SC/LC/FC/ST/E200/DIN/MU-PC/APC etc. simplex adapters and 24 pieces 1.5 m SC/LC/FC/ST/E200/DIN/MU-PC/APC simplex pigtail (confirms G652, G652D standards)

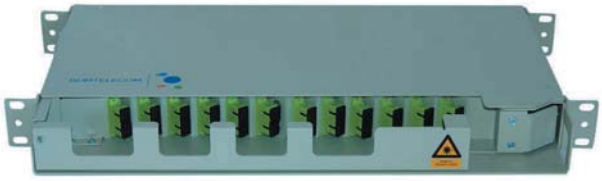
Applications

Fiber Transmission Networks in Telco`s Central applications, Fiber exchange systems, Utility Networks

Techical Details

Dimensions	430 mm (W) x 280 mm (D) x 1U (H)
Compliance	GR-449-core of Telcordia Specification
Finish	Powder coat RAL7032
Weight	1U : 2.1 kg, 2U : 2.8 kg
Material	Aluminum

Assos Pivot Type ODF Module CAN-ASO-100



1U Module

Inside View

2U Module

Overview

Ultimate new design with the most advanced splice&patch system and cable management ever developed for high density applications on carrier&transmission side.

Highlights

- 1U option for different fiber capacities (2U option is available)
- Modular designed for 19”/ETSI optical distribution frames
- Pivot (Swing) type sliding Aluminum module system provides easy access
- Module provide max fiber termination possibility with superior cable management
- Magnetic lock system ensures easy closing/opening of the unit up to 24 port capacity
- Ensures minimal cable movement
- 24 port capacity fiber trays are used inside
- Cable glands are used to protect and fix incoming and outgoing fibers
- Incoming cable protection tube inside
- Unflammable plastic cassettes are used inside

SC, LC, FC, ST, MTRJ, E-2000 interfaces etc available

Density Information

1U 24 port Module: 12 pieces SC/APC Dublex adapters and 24 pieces 1.5 m SC/APC simplex pigtail (confirms G652, G652D standards)

Applications

Fiber Transmission Networks in Telco`s Central applications, Fiber exchange systems, Utility Networks

Technical Details

Dimensions	485 mm (W) x 260 mm (D) x 1U (H)
Compliance	GR-449-core of Telcordia Specification
Finish	Powder coat RAL7032
Weight	1.5 kg
Material	Aluminum

Fiber Patch Panel with Cable Storage

Fiber Optic Patch Panel with Front Cable Guide CAN-FPP-50X

Overview

CAN-FPP-80X ensures professional cable management and splice&patch possibility for ribbon and non-ribbon fibers.

Highlights

- 1U and 2U versions (12,24, 36 and 48 port capacity)
- Confirms 19" or ETSI installations
- Professional and advanced cable management
- Front cable management and guides for patchcords
- Proper labeling on the front and casettes
- Quick-stud system ensures easy closing /opening of the unit
- Easy access with slide-in pull-out system
- Cable entry from the rear and sides
- Special Protection tubes and bend radien for protecting the incoming fiber from bending and guiding the fibers to the special designed splice cassettes in a professional way
- Special splice cassettes of 12 or 24 port capacity with professional cable storage and protection
- Suitable for ribbon and non-ribbon cables
- 100% Compatible to Bellcore GR-326 standards
- Confirmity to every type of connectors (ST, SC, FC, LC, MTRJ, E2000, etc.)

Rear and side cable entry

Technical Details

Dimensions 465 mm (W) x 272 mm (D) x 88,15 mm (H) 2U, 44,45 mm 1U
Material Mild Steel, 1.5 mm
Color Powder- Coated Median Grey NCS 2502B
Weight 4 kg (1U)

Applications

FTTX applications, Datacenter and LAN &WAN projects

Inside view and cable management

Adaptor Type	Fiber Capacity	Product code
FC/APC Simplex	24	CAN-FPP-501
SC/APC Simplex	24	CAN-FPP-502
FC/APC Simplex High Density	44	CAN-FPP-503
SC/APC Simplex High Density	36	CAN-FPP-504
LC/APC Simplex	24	CAN-FPP-505

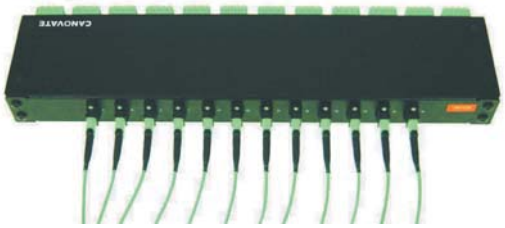
Bottom view with cable storage&management

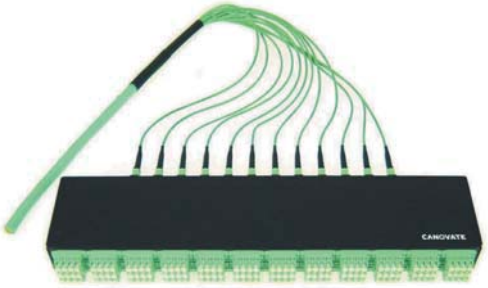
MTP Fiber Patch Panel

MTP® Pre-Terminated Fiber Patch Panel CAN-MTP-100

MTP® 19” 1U Patchpanel Multimode OM3, 10GBit/s, 144 ports
Canovate provides a high density 19” rack-mountable solution for next generation networks, which aims to provide and manage max number of fibers in a limited space.
MTP® patchpanel enables perfect and secured management of 144 fibers in 1U

The connection between the 12 MTP® adaptors fixed on rear side of the panel and 36 pieces of 4-port LC adaptors on the front side are managed in a very intense way in this 1U patchpanel





Technical Details

Dimensions	(19”) (W) x 95 mm (D) x 1U (H)
Material	Steel
Color	Powder coat RAL7035 or RAL9005
Adaptor Types	Rear side: 12 X MTP®
	Front side: 36 X 4-port LC (= 144 fibers)

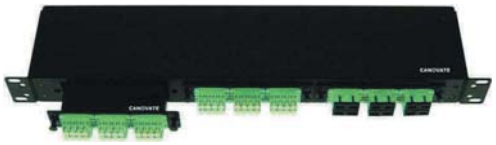
Applications

Datacenter Storage area, MDU Distribution Terminal

MTP® Pre-Terminated Modular Fiber Patch Panel CAN-MTPM-100

MTP® 3U, 8 TE Multimode OM3, 10GBit/s, 24 ports
MTP® Snap-in-module with 24 fiber capacity, modular structure allows to fit in various type of applications
The connection between the 2 MTP® adaptors on rear side of the module and 6 pieces of 4-port LC adaptors on the front side are managed in a very intense way in this module.

The connection between the 12 MTP® adaptors fixed on rear side of the panel and 36 pieces of 4-port LC adaptors on the front side are managed in a very intense way in this 1U patchpanel



Technical Details

Dimensions	(19”) (W) x 95 mm (D) x 1U (H)
Material	Steel
Color	Powder coat RAL7035 or RAL9005
Adaptor Types	-Rear side: 2 X MTP®
	-Front side: 6 X 4-port LC (= 24 fibers)
	-Flexible&expandable

Plug in Module

MTP® Trunk cable Multimode OM3, 10GBit/s, up to 144 fibers

Preconfigured Trunk cable with 12 MTP® plugs for a very fast, easy and secured Plug and Play installation

Technical Details

Plugs	: up to 12 MTP®-plugs (with 12 fiber/each)
Fiber type	: Multimode OM3
Cable length	: customer specific

Fiber Duct Solutions

Fiber Duct System - 100% Halogen Free

Protecting your fiber to secure fiber communication

- FiberDuct is a flexible duct system for fiber optic cables specifically produced and designed for both the European and US Market.
- The system is fully enclosed protecting the fiber from dirt and dust, the duct is strong enough to protect cables against the most rigorous conditions.
- It is manufactured from a Halogen free, flame-retardant UL94/ V0 plastic. The product is designed to meet material specifications required throughout Europe.
- The system is easy to assemble. The only tools required are a drill, a screwdriver and a saw to cut the channels to length. The system is designed for speed of installation and minimum labour for the installer.
- The easy access covers allow fiber optic cables to be installed or remored at any time without the need to disconnect the whole system.
- The system is extremely adaptable and will evolve to suit this demanding market. Currently it is supplied in three sizes: 50mm x 50mm, 100mm x 100mm and 200mm x 100mm.
- Canovate offer a complete design package to assist you with the layout of your ducting system.

The company is committed to delighting the customer and excelling in each of three key area's.

Highlights

- ***Zero-halogen material***
- ***No cutting required***
- ***No tools needed***
- ***Meets UL94V-0***
- ***Total radius control***
- ***Low profile***
- ***Flex-tube adapter options***

Product

Technically advanced communications equipment needs superb ancillary support therefore:

- We will design product that surpasses the latest standards at the lowest possible cost.
- Continuous improvement will be at the forefront of our design strategy to continually innovate in our market.

People

To support the ideals of the company and the future needs of the customer we will invest in:

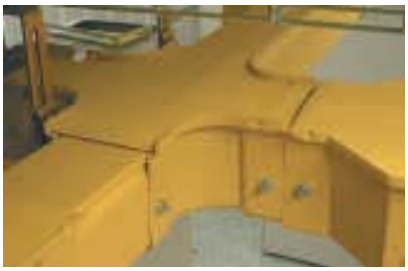
- Relationships with our customers so we anticipate their requirements and have a solution available before it is requested.
- Our people, will be competent to meet and surpass the requirements of the customer.

Fiber Raceway Outlet

90° Horizontal Elbow

Vertical Tee Offset

General Application View



4 Way Cross Application

Reducer Part

Fiber Duct Solutions

Fiber Raceway Outlet

Canovate introduces a non-intrusive fiber optic ducting outlet. The first in a series of revolutionary components, the ***Fiber Raceway Outlet (FRO)*** is simply and easily placed over the sidewall of any new or existing channel to create a vertical drop-off from a horizontal run. With full radius control, the fiber outlet safely routes fibers to and from equipment bays or distribution frames.

Unlike most other products, the low-profile, fiber outlet is truly installed with no tools, not even a screwdriver! With only a 50mm profile above the channel's edge, it can be placed anywhere along the sidewall of straight channels. The differences don't stop there. The outlet and it's accessories has been created using flame-retardant engineered plastics that not only meets the Bellcore ***NEBS*** specification, but also meets the zero-halogen requirements of the European community. All of which makes it a true worldwide solution.

The outlet has a unique two-piece cover with a hinged rear portion that allows users to access express fibers that bypass the outlet, without having to remove the main cover. So express fibers can be added, moved or changed without ever disturbing the fibers inside the outlet.

Fiber Raceway Outlet

Key Features

- No cutting required
- No tools needed
- Total radius control
- Meets UL94V-0
- Zero-halogen material
- Low profile
- Mates with 100mm, 150mm, 200mm & 300mm (4", 6", 8" & 12") channels
- Snap-on covers
- Express fiber hinged cover
- Trumpet flare option
- 50mm x 50mm (2" x 2") and 100mm x 100mm (4" x 4") vertical adapters
- Flex-tube adapter options

Product Specifications

Fibers Capacity	200 3mm fibers
Flammability Rating	UL94V
Oxygen Index (LOI)	36%

ODF Application

Fiber Duct Solutions

Service
A demanding market requires fast solutions, to meet this challenge we believe that:
- All standard product should be available within 24 hours from order.
- If special solutions are required they will be available in 14 days.

Product
Technically advanced communications equipment needs superb ancillary support therefore:
- We will design product that surpasses the latest standards at the lowest possible cost.
- Continuous improvement will be at the forefront of our design strategy to continually innovate in our market.

People
To support the ideals of the company and the future needs of the customer we will invest in:
- Relationships with our customers so we anticipate their requirements and have a solution available before it is requested.
- Our people, will be competent to meet and surpass the requirements of the customer.

Notes: relating all products
Material : UL94/V0, Zero Halogen.
Colour : Standard yellow. Other colours on request.
All dimensions are for reference only.
Finish : All outside surfaces have a haircell texture.
All parts have predrilled fastening holes.

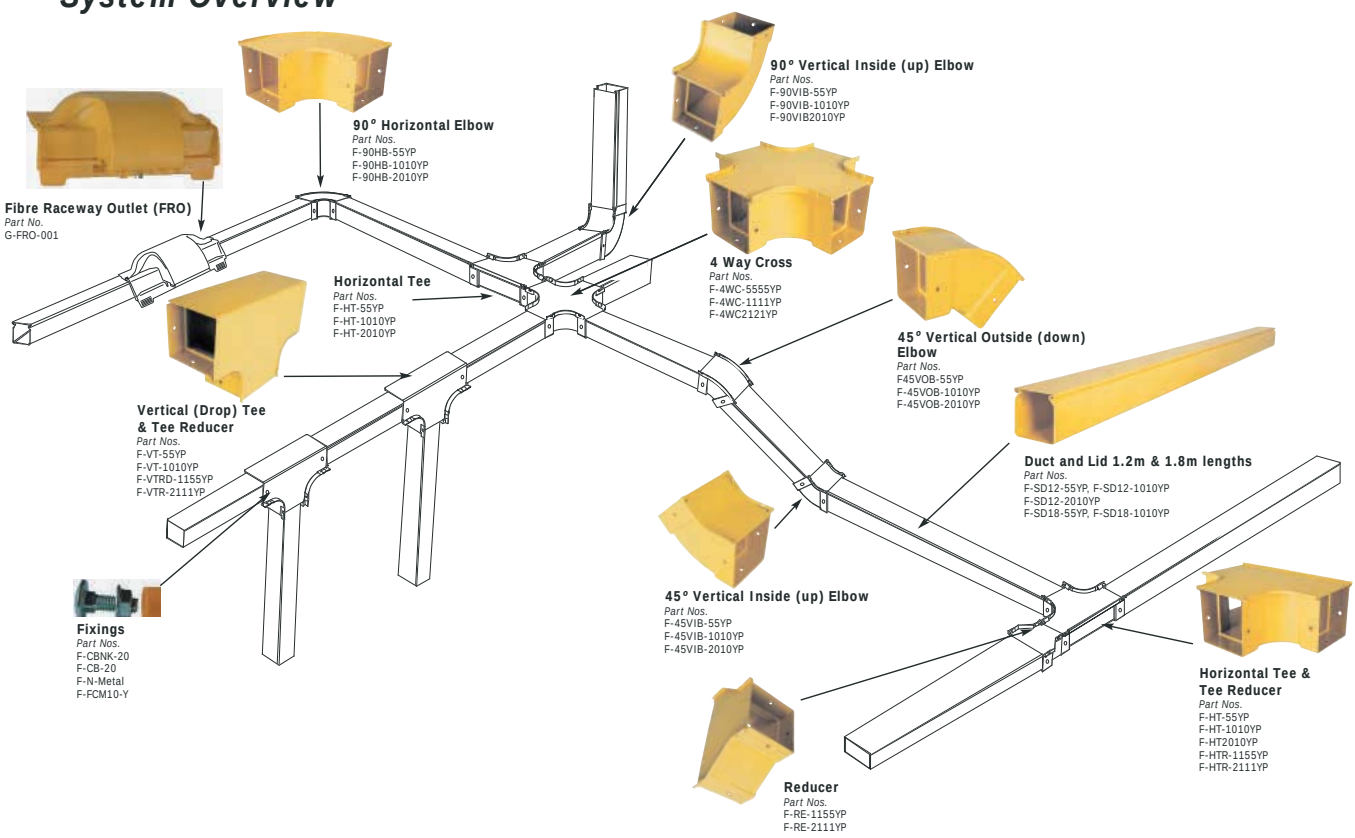
Vertical Tee Duck

90° Horizontal Elbow

4 Way Cross

Vertical Tee Offset

System Overview



Outside Plant and Last Mile Solutions

FTTX Solution Components for Outside Plant and Last Mile Applications

Active DSLAM Outdoor Cabinet

Double wall construction (sandwich technology) allows maximum heat dissipation by low influence of sun irradiation and offers maximum sealing effect.

Fiber Outdoor Cabinets

Weather-proof outdoor cabinet for installation of optical distribution modules. Assembly of modular optical building blocks with 19"/ ETSI dimensions with complete front mounting of all fiber optic components

Fiber Optic Closures

Reliable, flexible and sealed fiber optic closures connect distribution and feeder cables at key junction points in the network

FTTX Distribution Cabinet

FTTX distribution cabinets are placed strategically in the FTTP network to facilitate service connection and provide a primary convergence point for splicing and patching in the outside plant.

Customer Premises Enclosures (CPE)

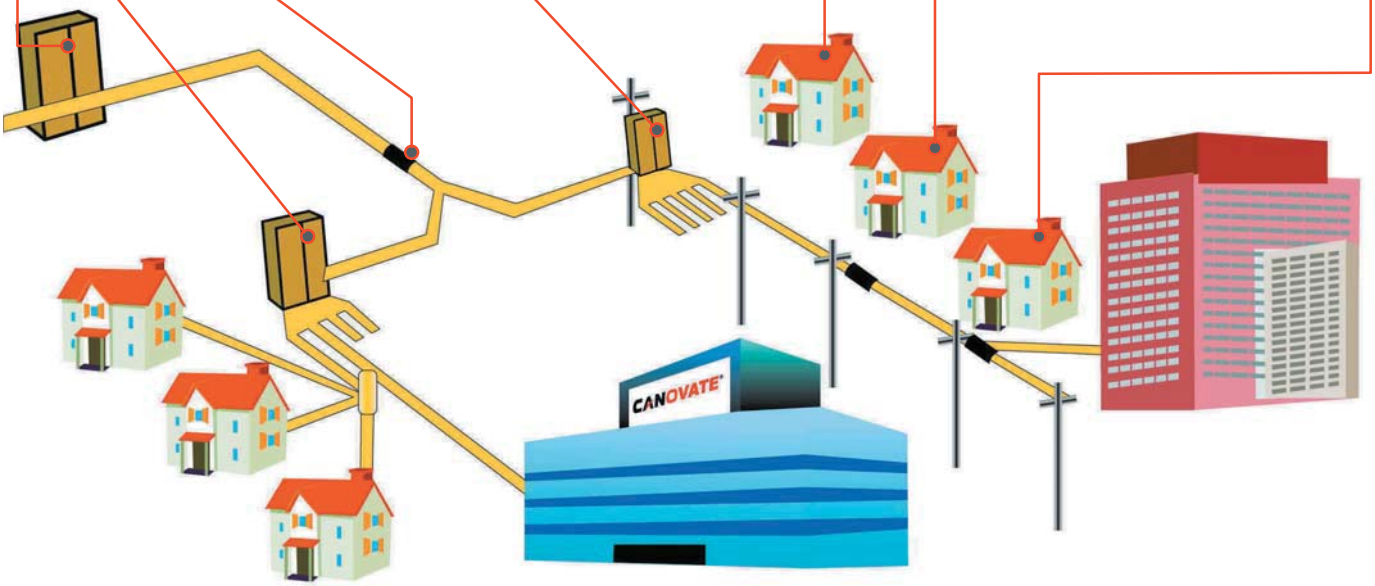
A cost effective solution for termination and managing fiber are dedicated for home applications.

Optical Distribution Boxes

CAN-ODB-100 Optical Distribution box provides a flexible fiber management system for transitioning outside plant cable to inside cable and connectorized assemblies.

FTTH Boxes

FTTH box provides a flexible fiber management system for transitioning outside plant cable to inside cable and connectorized assemblies.



Outdoor Fiber Cabinet Solutions

Outdoor Fiber Cabinets

Outdoor Fiber Optical Distribution Hub CAN-DHUB-10X

Overview

Canovate high density fiber optic distiribution hub provides intelligent fiber management, high protection against harsh environments in the outdoor backbone sytems of Telco`s

Highlights

- Weather-proof outdoor cabinet for installation of fiber optical distribution modules
- IP55 protected
- Assembly of modular optical building blocks like splice, patch and splitter modules
- Front and back lockable double-sided doors
- Integrated patchcord management with bend radien
- 2mm thick high capacity vertical patch organizers
- Continuous bend radius limitations
- Suitable for multi fiber management
- Provides a secure anchor for incoming loose tube cables within an ODF
- Suitable for different cable diameters
- Easy installation and removal
- Doors are protected from external access through hidden hinges
- All the profile with its plates and covering systems are mounted with special designers to give a professional quality that complies with EN60950/EN60364 standards for a continuous electrical grounding
- Strong stainless steel locking system

Technical Details

Dimensions	1630 mm (W) x 680 mm (D) x 1500 mm (H)
Material	Single/Double skin aluminum or galvanized steel
Standard Coating	RAL 7035, special epoxy polyster outdoor paint
Plinth	300 mm (H), material 3 mm steel

Applications

High Density Fiber Cross Connect applications, FTTX distribution hubs

Options

Thermal Management with Heat Exchangers and Air Conditions

MOQ (Minimum Order Quantity) : 25 Pcs

Double Wall Aluminum Construction

Inside View - Swing Type Modules

Outdoor Fiber Cabinets

Fiber Optic Street Cabinet CAN-FDT-10X

Overview

Advanced fiber optic networks using Point-to-Point or Point-to-Multi point architrectures requires high density fiber distribution points to supply FFTX services to the customers. High-quality fiber optic connectivity relies on the increased protection offered by weather-proof outdoor cabinets.

Highlights

- Weather-proof outdoor cabinet for installation of optical distribution modules
- IP 65 protected
- Assembly of modular optical building blocks like splice, patch and splitter modules
- Suitable for multi fiber management
- Provides a secure anchor for incoming loose tube cables within the cabinet
- Bend Radien for excess patch cord storage
- Suitable for different cable diameters
- Easy installation and removal
- Doors are protected from external access through hidden hinges
- High resistivity against corrosion-galivanized steel
- 19 inch mounting rails
- Single or Double front door
- CNC controlled polyurethane (PUR) gasketing is available for all of the complete openable surfaces of the outdoor to provide IP65 protection degree ,which is complying with the EN6O529 standard
- Optional: Mounting brackets for wall applications

Applications

Fiber Cross-connect applications, FTTX distribution hubs, Applications for Passive Optical Networks (PON) and Optical AccessNetworks (OAN) as a distribution point to network terminations for hybrid access technology (fiber/copper) as an Optical Node Unit (ONU)

Technical Details

Dimensions 940 mm (W) x 420 mm (D) x 1530 mm (H)
Material Galvanized
Color Powder coat RAL7035 or RAL9005
Maximum Port Capacity 712 Ports

MOQ (Minimum Order Quantity) : 25 Pcs

Outdoor Fiber Cabinets

Polycarbonate Cabinet-288 Port CAN-POLY-100

Overview

Canovate polycarbonate outdoor cabinet is a perfect solution for outdoor fiber connection and distribution applications. Special glass fiber reinforced polycarbonate structure makes this cabinet an ideal solution for cross connect applications. The structure is the perfect combination of low weight and high mechanical strength and its functional design gives extra advantages both for installation and cable management.

Highlights

- Waether-proof outdoor cabinet for cross connect applications
- IP54 protected
- Single Front door
- Hexagonal Locking systems: 3 points , 2 vertical bars, 1 lock
- Easy to install on a pedestal with bottom cable entries
- Impact resistant
- 2 Vertical mounting rails
- Can be mounted side by side

Technical Details

288 fiber: 750x1100x300 (w:h:d)

Accessories

8x1:32 Splitter modules
Distribution splice shelve-288 fiber
32 fiber Bypass patch panel
Feeder Splice shelve-48 fiber

Applications

Fiber Cross-connect applications, FTTX distribution hubs, Applications for Passive Optical Networks (PON) and Optical AccessNetworks (OAN) as a distribution point to network terminations for hybrid access technology (fiber/copper) as an Optical Node Unit (ONU)

MOQ (Minimum Order Quantity) : 25 Pcs

Outdoor Fiber Cabinets

Polycarbonate Cabinet-576 Port CAN-POLY-200

Overview

Canovate polycarbonate outdoor cabinet is a perfect solution for outdoor fiber connection and distribution applications. Special glass fiber reinforced polycarbonate structure makes this cabinet an ideal solution for cross connect applications. The structure is the perfect combination of low weight and high mechanical strength and its functional design gives extra advantagesboth for installation and cable management.

Highlights

- Waether-proof outdoor cabinet for cross connect applications
- IP54 protected
- Double Front door
- Hexegonal Locking systems: 3 points , 2 vertical bars, 1 lock
- Easy to install on a pedestal with bottom cable entries
- Impact resistant
- 2 Vertical mounting rails
- Can be mounted side by side

Technical Details

576 fiber: 1500x1100x360 (w:h:d)

Accessories

16x1:32 Splitter modules
2xDistribution splice shelve-288 fiber
2x32 fiber Bypass patch panel
2xFeeder Splice shelve-48 fiber

Applications

Fiber Cross-connect applications, FTTX distribution hubs, Applications for Passive Optical Networks (PON) and Optical AccessNetworks (OAN) as a distribution point to network terminations for hybrid access technology (fiber/copper) as an Optical Node Unit (ONU)

MOQ (Minimum Order Quantity) : 25 Pcs

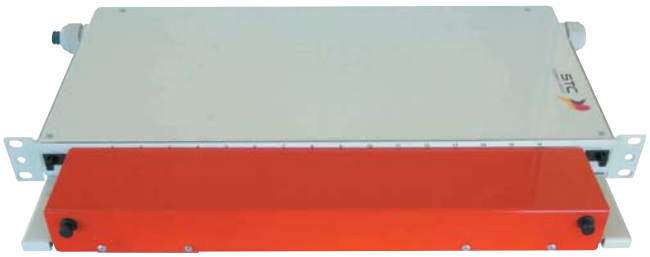
Outdoor Fiber Cabinets

ACCESSORIES

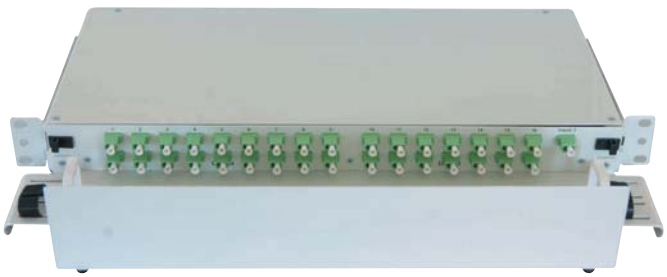
Feeder Fplice shelve-48 fiber

Distribution Splice Shelve-288 fiber

32 Fiber Bypass Patch Panel



1:32 Splitter Module



Outdoor Fiber Cabinets

Fiber Distribution Terminal (FDT) CAN-FDT-85

Overview

Advanced fiber optic networks using Point-to-Point or Point-to-Multi point architrectures requires high density fiber distribution points to supply FFTX services to the customers. High-quality fiber optic connectivity relies on the increased protection offered by weatherproof outdoor cabinets.

Highlights

- Weather-proof outdoor cabinet for installation of optical distribution modules
- IP 55 protected
- Motor hood single front door with outward swinging capability
- Assembly of modular optical building blocks like splice, patch and splitter modules
- Suitable for multi fiber management
- Provides a secure anchor for incoming loose tube cables within the cabinet
- Suitable for different cable diameters
- Easy installation and removal
- Doors are protected from external access through hidden hinges
- High resistivity against corrosion-aluminum or galivanized steel options
- 19 inch mounting rails
- CNC controlled polyurethane (PUR) gasketing is available for all of the complete openable surfaces of the outdoor to provide IP55 protection degree ,which is complying with the EN6O529 standard

Technical Details

Dimensions :800 mm (W) x 300 mm (D) x 1250 mm (H)
Plinth :250 mm (H)
Material :Galvanized steel
Standard coating:RAL 7035, special epoxy polyster outdoor paint
Weight :53 kg including plinth

Applications

Fiber Cross-connect applications, FTTX distribution hubs, Applications for Passive Optical Networks (PON) and Optical AccessNetworks (OAN) as a distribution point to network terminations for hybrid access technology (fiber/copper) as an Optical Node Unit (ONU)

MOQ (Minimum Order Quantity) : 25 Pcs

Outdoor Fiber Cabinets

IP65 Fiber Cross-Connect Cabinet CAN-FDC-10X

Overview

Advanced fiber optic networks using Point-to-Point or Point-to-Multi point architrectures requires high density fiber distribution points to supply FFTX services to the customers. High-quality fiber optic connectivity relies on the increased protection offered by weather-proof outdoor cabinets.

Highlights

- Weather-proof outdoor cabinet for installation of optical distribution modules
- IP 65 protected
- Assembly of modular optical building blocks like splice, patch and splitter modules
- Suitable for multi fiber management
- Provides a secure anchor for incoming loose tube cables within the cabinet
- Suitable for different cable diameters
- Easy installation and removal
- Doors are protected from external access through hidden hinges
- High resistivity against corrosion-aluminum or galvanized steel options
- 19 inch mounting rails
- Single front door
- CNC controlled polyurethane (PUR) gasketing is available for all of the complete openable surfaces of the outdoor to provide IP65 protection degree ,which is complying with the EN6O529 standard
- Max.6 module capacity
- 1,5 mm mounting plate for cable management on the back side
- C-rail for fixing the cables on the back side
- Optional: Mounting brackets for wall applications

Technical Details

Dimensions :
12 U option :620 mm (W) x 450 mm (D) x 912 mm (H)
16 U option :620 mm (W) x 600 mm (D) x 1090 mm (H)
24 U option :620 mm (W) x 600 mm (D) x 1200 mm (H)
Plinth: 250 mm (H)
Standard coating: RAL 7035, special epoxy polyster outdoor paint
Weight: 53 kg -12 U, 64 kg -16 U including plinth

Applications

Fiber Cross-connect applications, FTTX distribution hubs,
Applications for Passive Optical Networks (PON) and
Optical AccessNetworks (OAN) as a distribution point to network terminations for hybrid access technology (fiber/copper) as an Optical Node Unit (ONU)

MOQ (Minimum Order Quantity) : 25 Pcs

Gasketing on the doors for IP protection

Default C-Rail organizer for fiber cable management

Fiber cable hole entries for telecom cables from underground

Plinth for the cable storage and fixing on the ground

Outdoor Fiber Cabinets

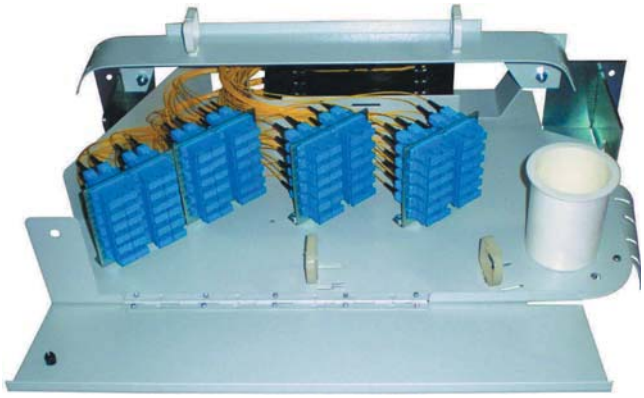
Field Application

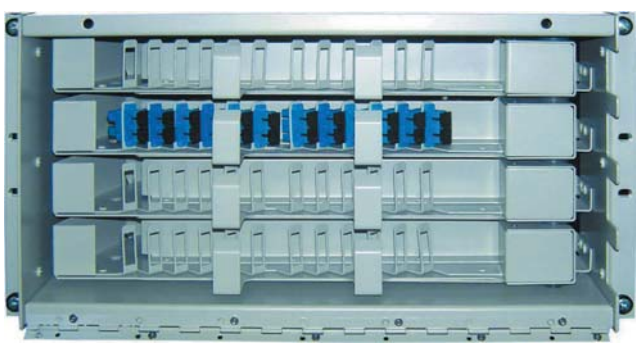
Pedestal Mountable Application

Wall Mountable Application

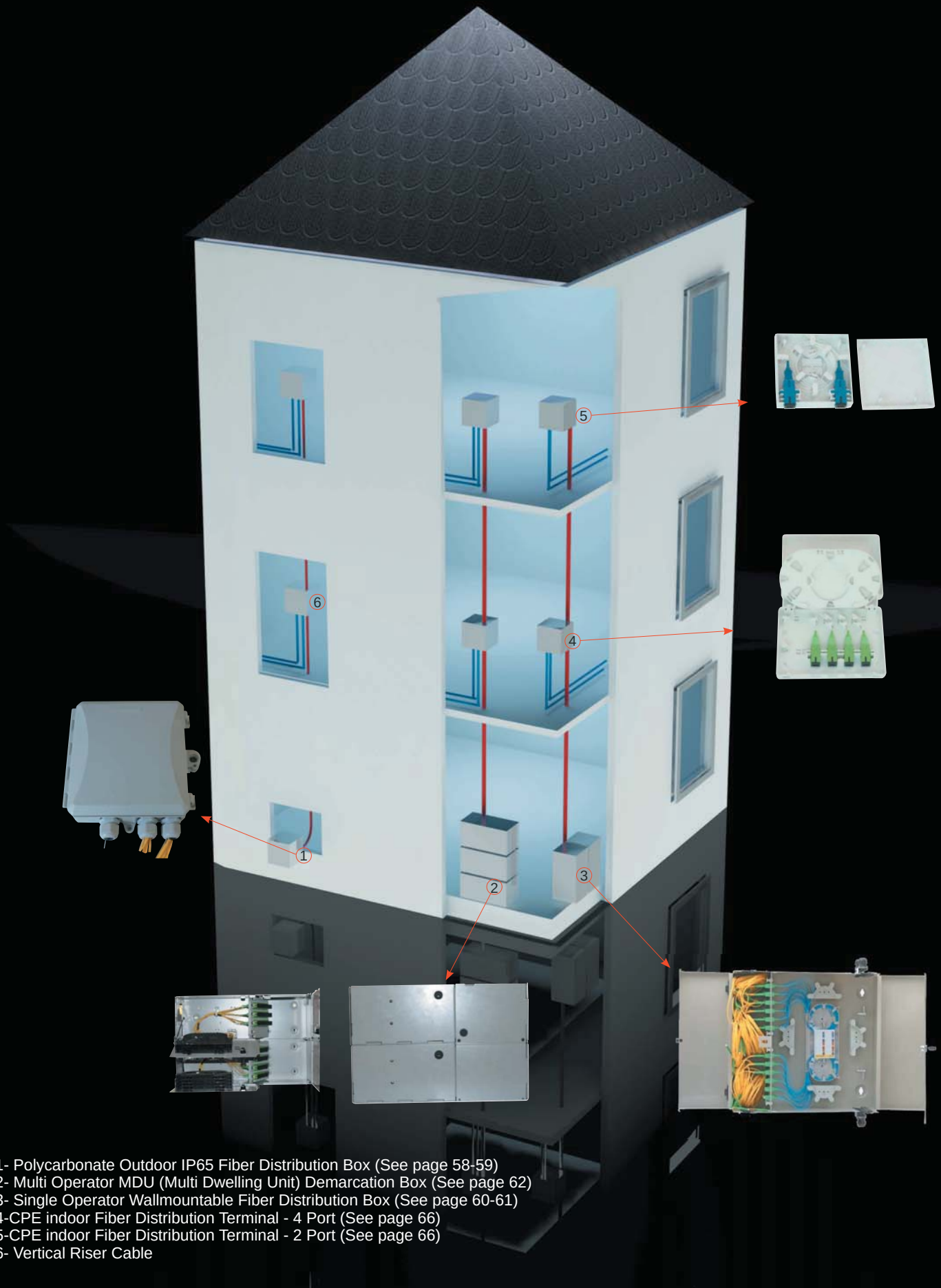
Field Application

- High Density Side Access Module
- High Density Swing Module
- Patch only Module
- Splice only Module
- Front Access Splitter Module
- Rackmountable Splitter module
- Cable Storage Module





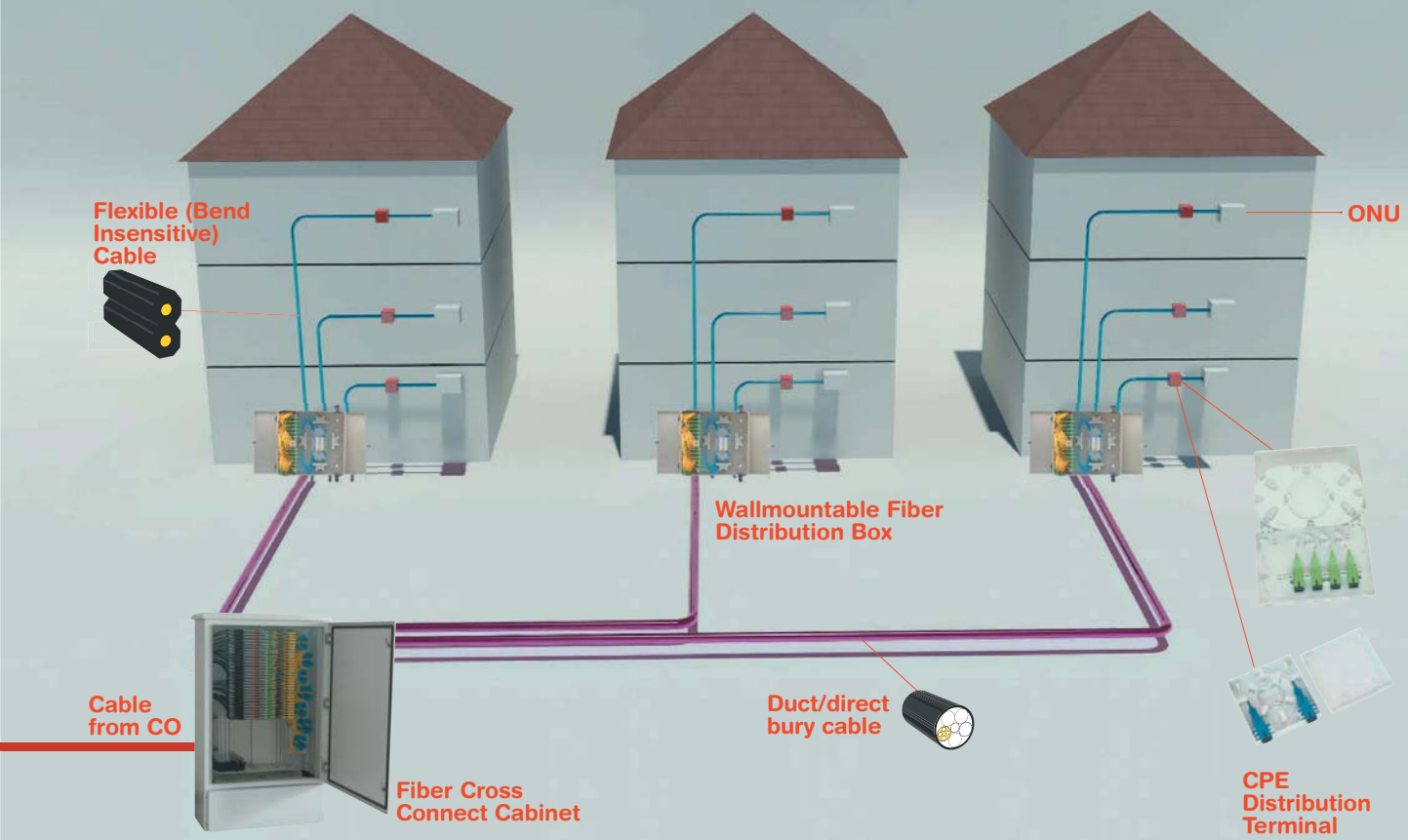
MDU Cabling Solutions



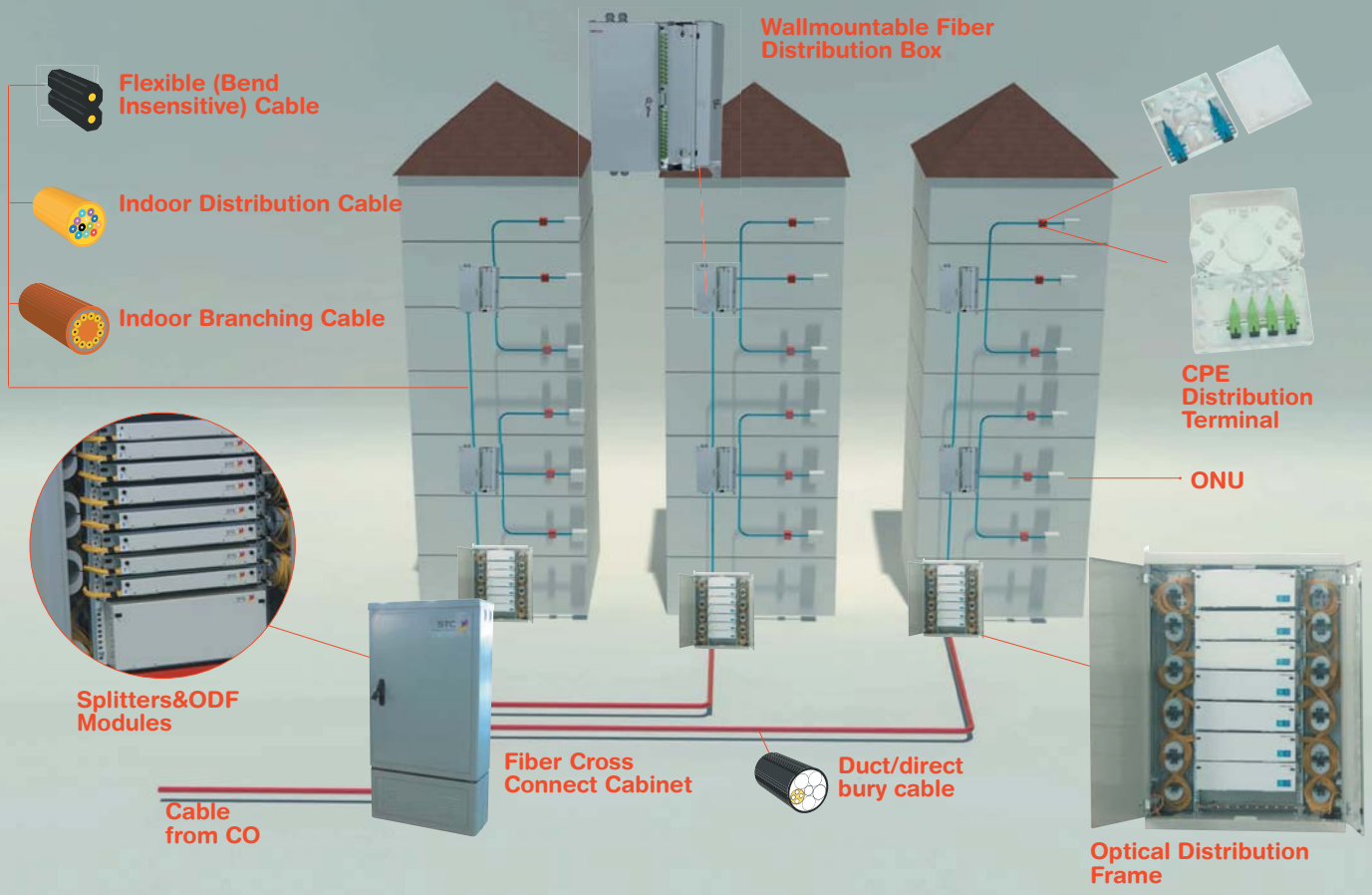
1- Polycarbonate Outdoor IP65 Fiber Distribution Box (See page 58-59)
2- Multi Operator MDU (Multi Dwelling Unit) Demarcation Box (See page 62)
3- Single Operator Wallmountable Fiber Distribution Box (See page 60-61)
4-CPE indoor Fiber Distribution Terminal - 4 Port (See page 66)
5-CPE indoor Fiber Distribution Terminal - 2 Port (See page 66)
6- Vertical Riser Cable

Access solution for Villa&Townhouse

Access solution for Multi Dwelling Unit



Access solution for High-Rise Unit



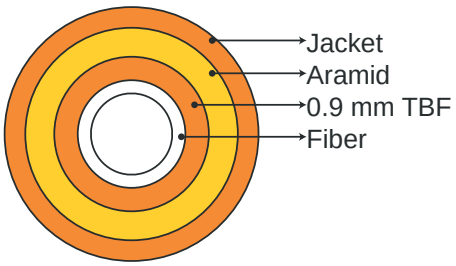
Flexible&Bend Insensitive Cables

This cable is made with G657 bend insensitive single mode optical fiber, using tight buffered structure fiber; Diameter is 0,87 ±0,05mm, wall thickness is 0,31 ±0,02mm

Construction

- Outer jacket of this cable is made by LSZH FR,
- Diameter is 1,88-1,9mm, wall thickness 0,33 ±0,04
- Working wavelenght: 1310/1550nm
- Attenuation :0,40/0,30 dB/km
- Dispersion :less than 18ps(nm.km) for 1550nm, less than 22ps(nm.km) for 1625nm,

Part No K00-0-KKFI-SPC-0-2



Outdoor Wall & Pole Mountable Distribution Boxes

Metal Wall Mountable Outdoor Termination Boxes CAN-OUT-10X

Overview
Designed for harsh environments outside of the premises and on poles for FFTX applications.

Highlights
- Up to IP65 protected with special gasketing
- Galvanized Steel or Aluminum
- 6-24 port capacity
- Special Protection tubes and bend radien for protecting the incoming fiber from bending and guiding the fibers to the special designed splice cassettes in a professional way
- Special splice cassettes of 12 or 24 port capacity with professional cable storage and protection
- 100% Compatible to Bellcore GR-326 standards
- Confirmity to every type of connectors (ST, SC, FC, LC, MTRJ, E2000, etc.)

Technical Details

Dimensions	335 mm (W) x 425 mm (D) x 77 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Weight	5,25 kg

Applications
FTTX applications, Outside of the buildings and poles

Splice and Patch Outdoor Box

Patch Only Outdoor Box

Metal Wall & Pole mountable Outdoor Cabinets CAN-OUT-20X

Overview
Single skin outdoor enclosures for mounting on walls and poles for installation of 19” equipment, fiber optic modules

Highlights
- Weather-proof outdoor cabinet for installation of optical distribution modules and 19” equipment
- Galvanized Steel or Aluminum
- IP 65 protected
- Robust Mounting brackets for wall fixing
- Assembly of modular optical building blocks like splice, patch and splitter modules
- Suitable for multi fiber management
- Provides a secure anchor for incoming loose tube cables within the cabinet
- Suitable for different cable diameters
- Easy installation and removal
- Doors are protected from external access through hidden hinges
- High resistivity against corrosion-aluminum or galivanized steel options
- 19 inch mounting rails
- Single front door
- CNC controlled polyurethane (PUR) gasketing is available for all of the complete openable surfaces of the outdoor to provide IP65 protection degree characteristic, which is complying with the EN6O529 standard
- Max.6 module capacity
- 1,5 mm mounting plate for cable management on the back side
- C-rail for fixing the cables on the back side
- Optional: Mounting brackets for wall applications

Applications
FTTX applications, Outside of the buildings and poles as cross connect units

Technical Details

Dimensions	650 mm (W) x 350 mm (D) x 350 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Weight	30 kg

Outdoor Wall & Pole Mountable Distribution Boxes

Outdoor Fiber Distribution Box CAN-OSP-10X

Overview

Canovate's mini fiber distribution box provides a unique patch and splicing method with the ability to park the excess adaptors for easy and operational usage of field technicians. It is designed for both indoor and outdoor applications covering less space on poles and walls while allowing up to 96 fibers.

Highlights

- Small size allows less space on poles and walls
- IP65 protected againist harsh environment
- Bottom cable inlet and outlet ports with gasketing
- Accomodates up to 96 fiber terminations with SC Duplex adaptors
- 12x1:8 splitters can be installed
- Special splice cassette with professional cable storage and protection
- Adaptor parking area of 42 pcs. for storage purposes

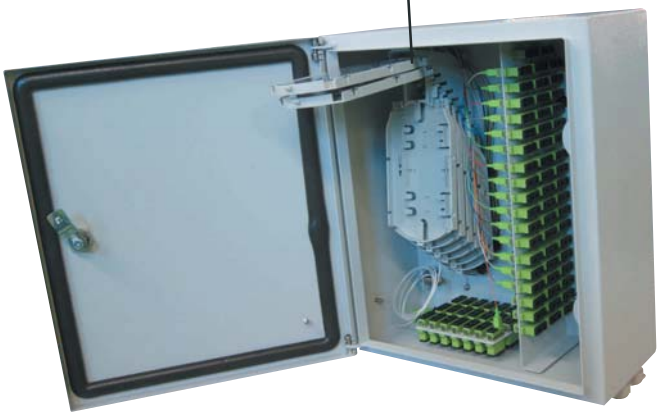
Technical Details

Dimensions	350 mm (W) x 234 mm (D) x 429 mm (H)
Material	Galvanized Steel
Color	RAL7035
Weight	13 kg

Applications

Central office, FTTX Network, outside plant

Stackable Cassette System



Splitter Cassette

Outdoor Wall & Pole Mountable Distribution Boxes

Outdoor Polycarbonate Fiber Termination Boxes

Overview
Designed for harsh environments outside of the premises and on poles for FFTX applications.

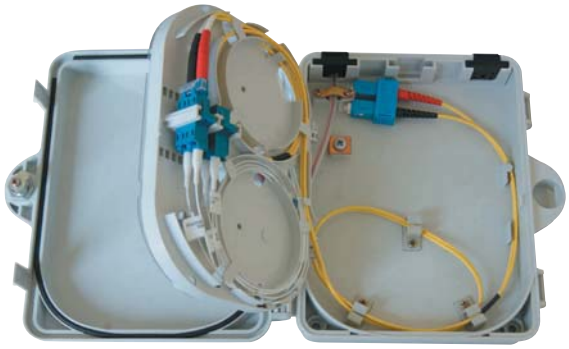
Highlights
- IP65 protected with special gasketing
- Polycarbonate, UV-Resistant
- 4-24 port capacity
- Special Protection tubes and bend radien for protecting the incoming fiber from bending and guiding the fibers to the special designed splice cassettes in a professional way
- 100% Compatible to Bellcore GR-326 standards
- LC Dublex and SC Simplex Adaptors can be installed inside

Technical Details

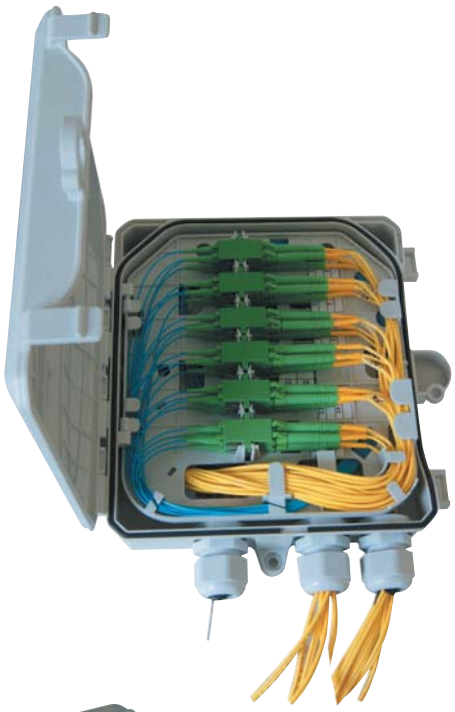
Dimensions	200 mm (W) x 50 mm (D) x 220 mm (H) (24 ports) 165 mm (W) x 43 mm (D) x 180 mm (H) (4 ports)
Material	Polycarbonate
Color	Powder coat RAL7035
Weight	0,52 kg / empty (24 ports) 0,34 kg / empty (4 ports)

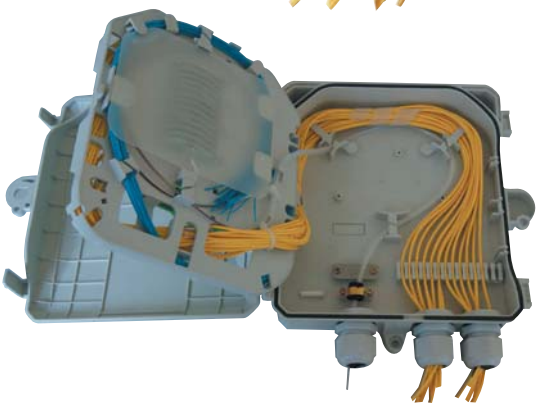
Applications
FTTX applications, Outside of the buildings and poles

CAN-POLY-300-4 PORTS



CAN-POLY-400-24 PORTS





Outdoor Wall & Pole Mountable Distribution Boxes

Outdoor Polycarbonate Fiber Termination Boxes

Overview
Designed for harsh environments outside of the premises and on poles for FFTX applications.

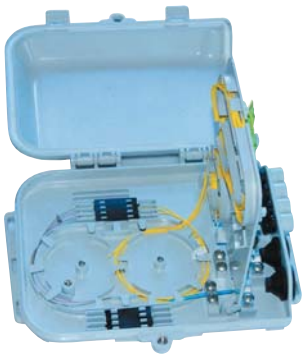
Highlights
- IP65 protected with special gasketing
- Polycarbonate, UV-Resistant
- 4-16 port capacity
- 1x8 PLC splitters can be installed inside
- Special Protection tubes and bend radien for protecting the incoming fiber from bending and guiding the fibers to the special designed splice cassettes in a professional way
- Special splice cassettes of 12 or 24 port capacity with professional cable storage and protection
- 100% Compatible to Bellcore GR-326 standards
- LC Dublex and SC Smplex adaptors can be installed inside

Technical Details
Dimensions
CAN-POLY-100: 260 mm (W) x 90 mm (D) x 320 mm (H)
CAN-POLY-200: 200 mm (W) x 54 mm (D) x 215 mm (H)
Material Polycarbonate
Color Powder coat RAL7035
Weight 0,57 kg

Applications
FTTX applications, Outside of the buildings and poles

CAN-POLY-100-16 PORTS

CAN-POLY-200-8 PORTS



Wall Mountable

Pole Mountable

Indoor Wall Mountable Distribution Boxes

Dual Door Wall Mountable Optical Distribution Box CAN-ODB-10X

Overview

Canovate CAN-ODB-100 Optical Distribution box provides a flexible fiber management system for transitioning outside plant cable to inside cable and connectorized assemblies in high density applications. It provides a compact and versatile method of splicing and patching from 12 up to 96 fibers.

Highlights

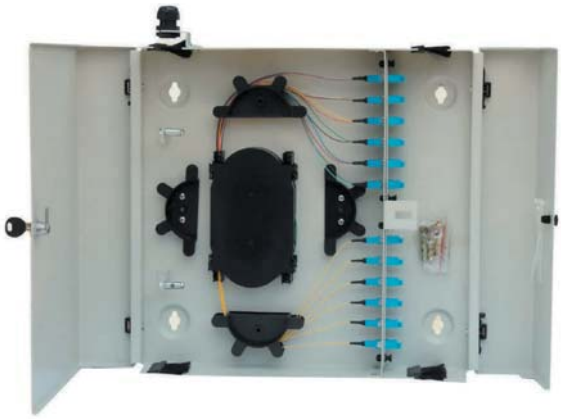
- Indoor Wallmountable fiber distribution box for high density applications
- Dual doors with separate locking options for flexibility and security
- Very suitable for new and existing interconnect, crossconnect and co-location environments
- Splicing and patching at the same box
- Modular structure expandable up to 96 splices and patches
- Modular interchangable interfaces for all known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible

Applications

FTTX applications as indoor building distribution unit, LAN Networks

ORDER TABLE FOR DUAL WALLMOUNT OPTICAL DISTRIBUTION BOX	
Part Number Breakdown: CAN-ODB-100-$XX^1$$XX^2$-$XX^3$-$XX^4$-$XX^5$	
XX^1 : Fibre capacity	06 : 6 fibre, 12 : 12 fibre, 24 : 24 fibre, 48 : 48 fibre, 96 : 96 fibre, 144 : 144 fibre
XX^2 : Adapter/coupler type	ST, LC,E2000, DIN SC, FC, etc..
XX^3 : Cassette Type	SE : Single Element, SC: Single Circuit
XX^4 : Mode	SS: Single Mode Siplex, SD: Single Mode Duplex, MS: Multi Mode Simplex, MD: Multi Mode Duplex
XX^5 : FE	FE: Fully Equipped (pigtails, adators, splice cassettes, cable management tools are included)

Example: CAN-ODB-100-24-SC-SD; 24 fibre, SC coupling, single mode duplex wall mount optical distribution box



24 Port SC Dublex with Single Element Cassette

Technical Details

Dimensions

450 mm (W) x 435 mm (D) x 70 mm (H) (24 port SC Dublex)
450 mm (W) x 435 mm (D) x 185 mm (H) (96 port SC Dublex)

Material Mild Steel
Color Powder coat RAL7035
Weight 5,14 kg / empty (24 port SC Dublex)
10,46 kg / empty (96 port SC Dublex)

24 Port SC Dublex with Single Element Cassette

96 Port LC Dublex with Single Element Cassette

Fiber cable entry at bottom and top

Fiber cable entry at bottom and top

Indoor Wall Mountable Distribution Boxes

Dual Door Wall Mountable Optical Distribution Box CAN-ODB-20X

Overview

Canovate CAN-ODB-101 Optical Distribution box provides a flexible fiber management system for transitioning outside plant cable to insidecable and connectorized assemblies in high density applications. It provides a compact and versatile method of splicing and patching up to 24 fibers.

Highlights

- Indoor Wallmountable fiber distribution box for high density applications
- Dual doors with separate locking options for flexibility and security
- Very suitable for new and existing interconnect, cross connect and co-location environments
- Splicing and patching at the same box
- 4 cable entry glands to secure the fiber cables
- 12 or 24 port splice cassettes inside
- Modular structure expandable up to 24 splices and patches
- Modular interchangable interfaces for all known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible (extra FC adopter plates inside)

Technical Details

Dimensions	OSB (1:16 Splitter) : 250x300x100 (HXWXD) OSB (1:32 Splitter) : 300x400x100 (HXWXD)
Material	Galvanized Steel, 1.5 mm
Color	Powder coat RAL7035
Weight	3 kg (1U)

Applications

FTTX applications as indoor building distribution unit, LAN Networks

ORDER TABLE FOR DUAL WALLMOUNT OPTICAL DISTRIBUTION BOX		
Part Number Breakdown: CAN-ODB-100-$XX^1$$XX^2$-$XX^3$-$XX^4$-$XX^5$		
XX^1 : Fibre capacity	06 : 6 fibre	12 : 12 fibre 24 : 24 fibre
48 : 48 fibre	96 : 96 fibre	144 : 144 fibre
XX^2 : Adapter/coupler type ST, LC,E2000, DIN SC, FC, etc..		
XX^3 : Cassette Type		
SE : Single Element	SC: Single Circuit	
XX^4 : Mode		
SS: Single Mode Siplex	MS: Multi Mode Simplex	
SD: Single Mode Duplex	MD: Multi Mode Duplex	
XX^5 : FE		
FE: Fully Equipped (pigtails, adators, splice cassettes, cable management tools are included)		

Single Element Management Splice Tray

Miscellaneous easy plug-in Adapter Plates

Outside view

Cable Glands

Cable Glands

Indoor Wall & Pole Mountable Distribution Boxes

Indoor Fiber Distribution Box CAN-ISP-10X

Overview
Canovate's Indoor fiber distribution box provides a unique patch and splicing method with the ability to install splitters inside.

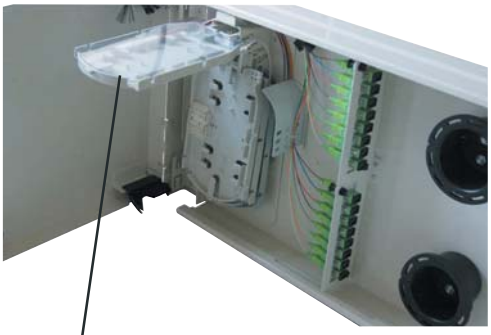
Highlights
- Dual doors with separate locking options for flexibility and security
- Separate splice and patch sections
- Bottom cable inlet and outlet ports with gasketing
- Accomodates up to 24 fiber terminations with LC Duplex adaptors
- 3x1:8 splitters can be installed
- Special splice cassette with professional cable storage and protection

Technical Details

Dimensions	500 mm (W) x 65 mm (D) x 300 mm (H)
Material	Steel
Color	RAL7035
Weight	9 kg

Applications
Central office, FTTX Network, outside plant

Stackable Cassette System



Splitter Cassette

Multi Operator MDU (Multi Dwelling Unit) Demarcation Box CAN-MDU-10X

Overview

This Wallmountable Modular Multi Dwelling Unit is used in customer premises to connect the OSP Network with the Indoor Network. This unit is ideal for use as a multi-operator solution within a shared or parallel indoor network. The modular design allows this unit to be vertically stackable with separately lockable sections for splicing and patching.

Through their modular design, these MDU boxes fully meet the stipulation imposed by the telecom regulator body, “mutualization” of the Vertical Riser. It means that various carriers can deploy their own infrastructure as far as the basement of the building, and offer their bundle of services using a building infrastructure that may have been previously deployed by someone else during the initial Phase of installation.

This solution is also adaptable to all type of configurations with splicing, splitter and pre-connectorized cable & patching options.

The Indoor Distribution Box is typically used in MDUs to splice incoming Outside Plant (OSP) fiber optical cables into customer premises cables. This Indoor Distribution Box needs to be easily accessible and manageable in size while offering full protection to the splices and patching inside. Both compartments of the box can be locked separately to control access to cable entry, splice and patch functions.

Modules

The unit has a modular design with two different module configurations:

- **Customer Module** to terminate the vertical cables feeding the premises
- **Operator Module** to terminate the external network cables

Highlights

- Up to 4 independent units can be stacked verticaly for multi operator use
- Each unit has 2 separate lockable sections with dual swinging doors
- Modular interchangeable patch interface with 4 rows of 8x SC/APC adapters or 8 x LC/APC Dublex adapters
- Stack of maximum 4 splice cassettes with a capacity of 24 splices
- Storage area for incoming operator cables, also for window-cut storage of unused loose tubes.
- Separate storage areas for pigtails, outgoing splitter cords and fibers from riser cables
- Splitters can be integrated as an option

Technical Details

Dimensions	180x450x150 (HXWXD)
Material	Galvanized Steel, 1.5 mm
Color	Powder coat RAL7035

Applications

FTTX applications as indoor building distribution unit, LAN Networks

Multi Dwelling Unit

Modular Patch Interface

Cable entry with bend radius

Indoor Wall Mountable Distribution Boxes

Indoor Optical Splitter Box CAN-OSB-10X

Overview

Wallmountable Outdoor Splitter Box provides a flexible fiber management system for transitioning outside plant cable to inside cable and connectorized assemblies. Ensures professional splitting and branching of fiber based on bandwith requirements with mechanical splitters on wallmountable applications and provides professional cable management

Highlights

- Wall mountable
- Very suitable for new and existing interconnect applications
- IP54 protected
- 1:16 and 1.32 splitters can be put inside
- Special bend radien for protecting the incoming and outgoing fiber from bending
- Cable glands are used to protect and fix incoming and outgoing fibers
- Incoming cable protection tube inside
- 100% Compatible to Bellcore GR-326 standards
- Confirmity to every type of connectors (ST, SC, FC, LC, MTRJ, E2000, etc.)

Technical Details

Dimensions	OSB (1:16 Splitter) : 250x300x100 (HXWXD) OSB (1:32 Splitter) : 300x400x100 (HXWXD)
Material	Galvanized Steel, 1.5 mm
Color	Powder coat RAL7035
Weight	3 kg (1U)

Applications

Outdoor fiber application on Carrier&Transmition level, FTTX applications, Utility Companies

OSB (1:16 Splitter) 3147088

Splitters CAN-SPLIT-10X

Highlights

PLC and Fused Splitters
Wide Range Of Splitter Family

1x2	*2x4
1x4	*2x8
1x8	*2x16
1x16	*2x32
1x32	*2x64
1x64	

High Reliability
Low Intersion Lost
Compact Size

2x32 PLC Splitter

Applications

Telecomunications
LAN and WAN Systems
FTTx
PON
Network Monitoring

OSB (1:32 Splitter) 3147072

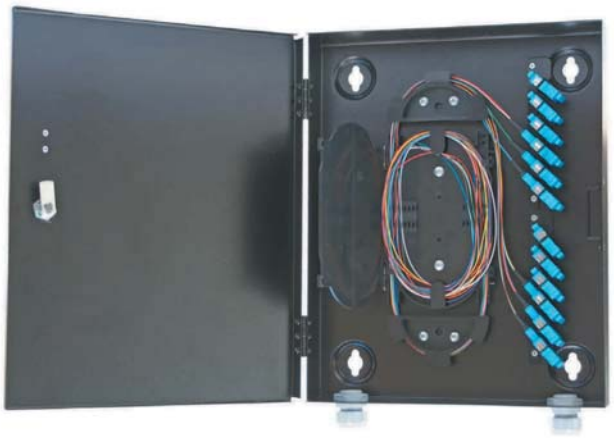
1x16 Fused Splitter

Indoor Wall Mountable Distribution Boxes

Single Door Wall Mountable Optical Distribution Box CAN-ODB-200

Overview

Canovate FTTH box provides a flexible fiber management system for transitioning outside plant cable to inside cable and connectorized assemblies in low density applications. It provides a compact and versatile method of splicing and patching up to 96 fibers.



12 Port SC Simplex with Single Element Cassette

Highlights

- Indoor Wallmountable fiber distribution box for low density applications
- Dual doors with separate locking options for flexibility and security
- Very suitable for new and existing interconnect, crossconnect and co-location environments
- Splicing and patching at the same box
- Modular structure expandable to 96 splices and patches
- Modular interchangable interfaces for all known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible

Technical Details

Dimensions 285 mm (W) x 355 mm (D) x 65 mm (H)
(up to 24 port SC Dublex)
Material Mild Steel
Color Powder coat RAL7035
Weight 3,20 kg / empty (24 port SC Dublex)

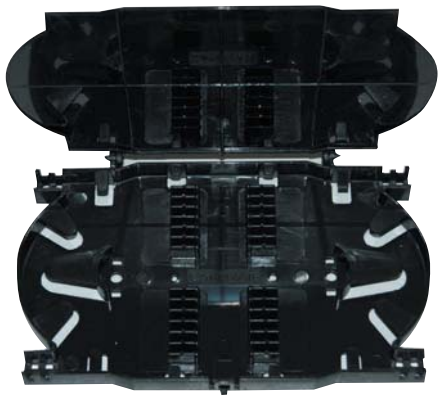
Applications

FTTX applications as indoor building distribution unit, LAN Netwoks

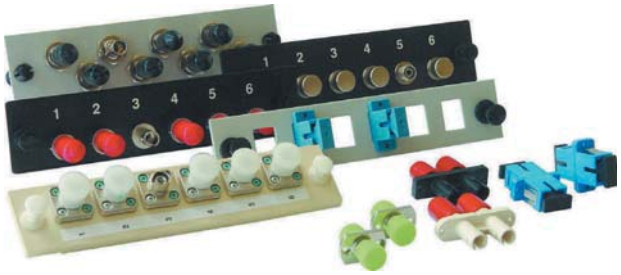
ORDER TABLE FOR
SINGLE WALLMOUNT OPTICAL DISTRIBUTION BOX

Part Number Breakdown: CAN-ODB-200-XX[1]XX[2]-XX[3]-XX[4]-XX[5]
XX[1] : Fibre capacity 06 : 06 fibre 12 : 12 fibre 24 : 24 fibre 48 : 48 fibre 96 : 96 fibre
XX[2] : Adapter/coupler type ST, LC,E2000, DIN SC, FC, etc..
XX[3] : Cassette Type SE : Single Element SC: Single Circuit
XX[4] : Mode SS: Single Mode Siplex MS: Multi Mode Simplex SD: Single Mode Duplex MD: Multi Mode Duplex
XX[5] : FE FE: Fully Equipped (pigtails, adators, splice cassettes, cable management tools are included)

Example: CAN-ODB-200-24-SC-SD; 24 fibre, SC coupling, single mode duplex wall mount optical distribution box



Single Element Management Splice Tray



Miscellaneous 6 Pack Adapter Plates and Adapters

Indoor Wall Mountable Distribution Boxes

CPE Indoor Fiber Distribution Terminal CAN-ALB-10X

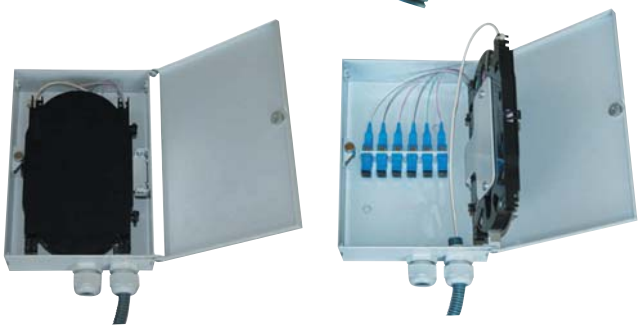
Overview
Unique patch and splice box provides a compact method of splicing and patching up to 12 fibers.

Highlights
- Indoor Wallmountable fiber distribution box for low density applications
- Single door with magnet lock for flexibility
- Splicing and patching at the same box
- Expandable up to 12 splices and patches
- Modular interchangable interfaces for all known connector types such as SC, FC, ST, E2000, LC, MU etc. are possible

Technical Details

Dimensions	142 mm (W) x 50 mm (D) x 203 mm (H)
Port Capacity	12 Ports (6 port SC Simplex or 12 ports LC Dublex)
Material	Aluminum
Color	Powder coat RAL7035
Weight	1 kg / empty

Applications
FTTX applications, inside of the buildings



Hybrid FTTX boxes CAN-HYBR-100

Overview
Used in FTTX applications on premise level ,where you want to bring fiber and copper based services on a single platform

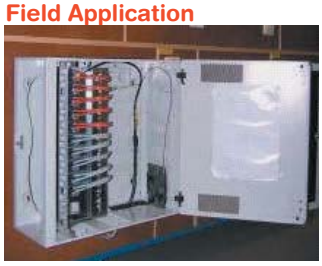
Highlights
- Special side access mechanism ,which enables ease of access on installations especialy on corner joints
- Wallmountable
- Very suitable for combining new fiber development and existing copper network
- Special cable management for routing and protecting the incoming and outgoing fiber and copper
- 100% Compatible to Bellcore GR-326 standards
- Confirmity to every type of connectors (ST, SC, FC, LC, MTRJ, E2000, etc.)

Technical Details

Dimensions	504 mm (W) x 506 mm (D) x 202 mm (H)
Material	Mild Steel
Color	Powder coat RAL7035
Weight	12 kg / empty

Applications
FTTX applications, at the entrance of customer premises

Field Application



Indoor Wall Mountable Distribution Boxes

CPE Indoor Fiber Distribution Terminal CAN-CPE-10X

Overview

CPE Indoor Fiber Distribution Terminal provides Customer Premises Equipment applications with a compact and secure enclosure for connecting fiber cables within building entrance locations, communications closets, and other indoor environments .CAN-CPE-10X is an injection molded design with an integral fiber retention system allowing for quick installation and a positive lock strain relief for most premise fiber cable. A compact wall-outlet providing an optical demarcation point for Fiber-to-the-X applications. Mounted on the inside or outside of a building, the optical CPE box provides physical protection for the transition between provider and customer. This device allows for the indoor and protected outdoors interconnect of up to 4 standard SC adapters in a protected white plastic enclosure to blend in most premise environments

Highlights

- Compact size takes up less wall space for installation
- Up to 4 x adapters can be loaded
- Cover with snap mechanism and hole for lock
- Strain relief fixing options available
- Light weight and robust
- Wall mounting knockouts for easy fixation
- Can be mounted on wall or pole
- Molded inner slack storage area insures minimum bend radius preventing micro bends and unnecessary loss or fiber damage
- No additional tie wraps or clamps needed due to integral positive lock strain relief
- Inner tray retains up to two fusion or mechanical splice sleeves
- Accepts standard SC/LC connectors (UPC or APC)
- Removable cover for easy access to complete box in congested locations

Applications

FTTX applications, at the entrance of customer premises

2 Port Patch Only CPE Box CAN-CPE-103

4 Port Splice&Patch CPE Box CAN-CPE-102

8 Port Splice&Patch CPE Box CAN-CPE-105

Hybrid (1 Port Fiber Splice&2 Ports RJ 45) CAN-CPE-104

Fiber Termination Box CAN-POLY-500

Overview

Designed for harsh environments outside of the premises and on poles for FFTX applications.

Highlights

- IP65 protected with special gasketing
- Polycarbonate, UV-Resistant
- 2-8 port capacity
- Special Protection tubes and bend radien for protecting the incoming fiber from bending and guiding the fibers to the special designed splice cassettes in a professional way
- Special splice cassette of 12 port capacity with professional cable storage and protection
- 100% Compatible to Bellcore GR-326 standards
- LC Dublex and SC Simplex Adaptors can be installed inside

Applications

FTTX applications, Outside of the buildings and poles

Splice Closures

CAN-DO-7001 Dome Type Fiber Optic Splice Closure

Material: Polyamide
Dimension (hxd): 435mm x 190mm
Net weight: 1,5 kg
Capacity: 12/24/36/48/72/96 fibers
Maximum: 96 fibers with 4 pcs. of 24 port bunchy tray
Total 4 inlet/outlet ports
Diameter of 3 ports is 16mm
Diameter of oval port is 25mm (can also accomodate 2 pcs. of fiber cable with max. diameter of 21mm)
All installation accessories are included, good sealed performance.
Other available accessories:
Earthing deriving device
Buffer tube for bunchy fiber
Pressure testing valve
Branching clip
Heat shrinkable fixing sleeve
Metal hoop
Quick installation type, easy to install and maintain.
Widely used for aerial and underground.

CAN-DO-7011 Dome Type Fiber Optic Splice Closure

Material: Polyamide
Dimension (hxd): 530mm x 205mm
Net weight: 2,5 kg
Capacity: 72/96/144 fibers
Maximum: 144 fibers with 6 pcs. of 24 port bunchy tray
Total 4 inlet/outlet ports
Diameter of 6 ports is 21mm (can also accomodate 2 pcs. of fiber cable with max. diameter of 16mm)
Diameter of oval port is 30mm (can also accomodate 2 pcs. of fiber cable with max. diameter of 21mm)
All installation accessories are included, good sealed performance.
Other available accessories:
Earthing deriving device
Buffer tube for bunchy and ribbon fiber
Pressure testing valve
Branching clip
Heat shrinkable fixing sleeve
Metal hoop
Quick installation type, easy to install and maintain.
Widely used for aerial and underground.

CAN-DO-7007 Dome Type Fiber Optic Splice Closure

Material: Polyamide
Dimension (hxd): 455mm x 220mm
Net weight: 2,5 kg
Capacity: 72/96/144/288 fibers
Maximum: 288 fibers with 6 pcs. of 48 port bunchy tray
Total 7 inlet/outlet ports
Diameter of 6 ports is 21mm
Diameter of oval port is 36mm (can also accomodate 2 pcs. of fiber cable with max. diameter of 32mm)
All installation accessories are included, good sealed performance.
Other available accessories:
Earthing deriving device
Buffer tube for bunchy and ribbon fiber
Pressure testing valve
Heat shrinkable fixing sleeve
Metal hoop
Quick installation type, easy to install and maintain.
Widely used for aerial and underground.

Splice Closures

CAN-DO-7003 Dome Type Fiber Optic Splice Closure

Material: Polyamide
Dimension (hxd): 510mm x 250mm
Net weight: 3,5 kg
Capacity: 192/384/576/720 fibers
Maximum: 576 fibers with 10 pcs. of 72 port bunchy tray
Total 8 inlet/outlet ports
Diameter of 7 ports is 22mm
Diameter of oval port is 43mm (can also accomodate 2 pcs. of fiber cable with max. diameter of 40mm)
All installation accessories are included, good sealed performance.
Other available accessories:
Earthing deriving device
Buffer tube for bunchy and ribbon fiber
Pressure testing valve
Branching clip
Heat shrinkable fixing sleeve
Metal hoop
Quick installation type, easy to install and maintain.
Widely used for aerial and underground.

CAN-IN-6010 In-line Type Fiber Optic Splice Closure

Material: Polyamide
Dimension (LxWxH): 450mm x 216mm x 160mm
Net weight: 3,0 kg
Capacity: 12/24/36/48/96/192 fibers
Maximum: 192 fibers with 8 pcs. of 24 port bunchy tray
Total 6 inlet/outlet ports
Diameter of 2 ports is 23mm
Diameter of other 2 ports is 20mm
Diameter of remaining 2 ports is 16mm
All installation accessories are included, good sealed performance.
Other available accessories:
Earthing deriving device
Buffer tube for bunchy and ribbon fiber
Pressure testing valve
Quick installation type, easy to install and maintain.
Widely used for aerial and underground.

CAN-IN-6011 In-line Type Fiber Optic Splice Closure

Material: Polyamide
Dimension (LxWxH): 560mm x 280mm x 180mm
Net weight: 3,5 kg
Capacity: 96/192/384 fibers
Maximum: 384 fibers with 8 pcs. of 48 core bunchy tray
Total 8 inlet/outlet ports
Diameter of 4 ports is 30mm
Diameter of other 4 ports is 23mm
All installation accessories are included, good sealed performance.
Other available accessories:
Earthing deriving device
Buffer tube for bunchy and ribbon fiber
Pressure testing valve
Quick installation type, easy to install and maintain.
Widely used for aerial and underground.

For different capacity options please contact with sales team

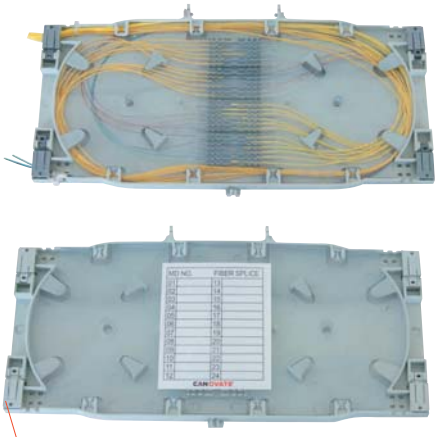
Fiber Optic Splice Cassettes

Single Element Management High Density Splice Cassettes
12&24 splice capacity
Professional cable management
Minimum bend radius of 35mm and strain relief for all entry cables
Labeling opportunity on the front cover
Cascade installation possibility
Fiber and loose tube entry possibilities from all four sides
Two separate fiber storage areas

Metarial
ABS/PC
Halogen free and flame-retardant

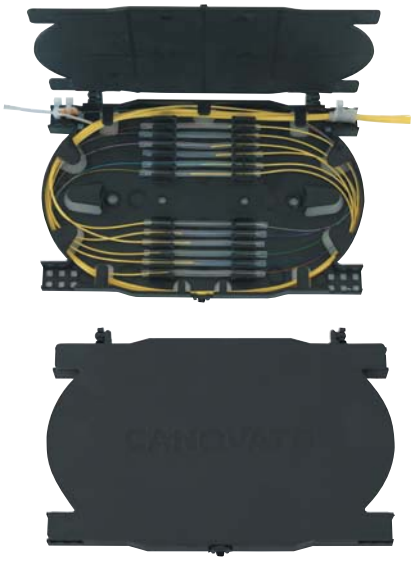
CAN-CAS-101 24 Splice

CAN-CAS-102 24 Splice

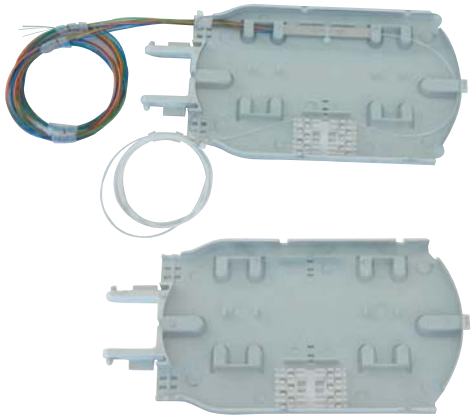


Special Cable Entry Glands

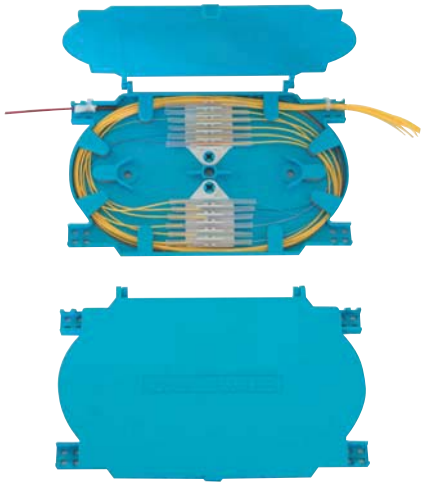
CAN-CAS-103 12/24 Splice



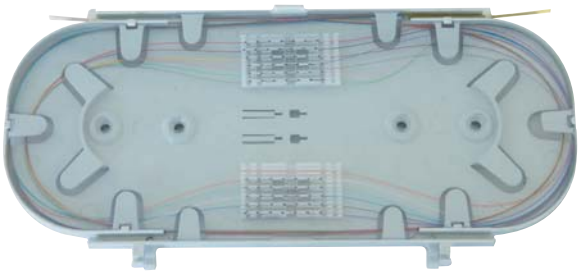
CAN-CAS-104 6/12 Splice + 2 pcs 1:16 Splitter



CAN-CAS-105 12/24 Splice



CAN-CAS-106 12/24 Crimp Splice Height : 7 mm



Fiber Optic Splice Cassettes

Single Element Management High Density Splice Cassettes

12&24 splice capacity
Professional cable management
Minimum bend radius of 35mm and strain relief for all entry cables
Labeling opportunity on the front cover
Cascade installation possibility
Fiber and loose tube entry possibilities from all four sides
Two separate fiber storage areas

Metarial

ABS/PC
Halogen free and flame-retardant

CAN-CAS-107

Single Circuit Management Splice Cassettes CAN-SCAS-108

2 x splices per cassette
Minimum bending radius 35mm
Integrated pigtail fixing 0.9 mm
Insertion of max. 2 pigtails
Robust hinge

Metarial

ABS/PC
Halogen free and flame-retardant

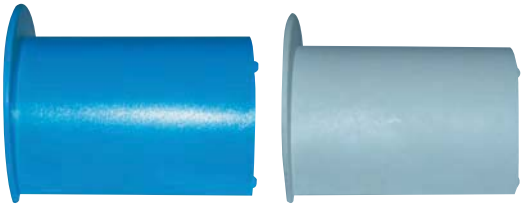
CAN-SCAS-108

Cable Managers

CAN-CR-1X	Small type cable manager
CAN-CR-2X	Medium type cable manager
CAN-CR-3X	Large type cable manager

ODF Type Small Bend Radius
CAN-BR-1XX

Main Fiber Cable Manager
CAN-CM-1X



ODF Type Medium Bend Radius
CAN-BR-1XX

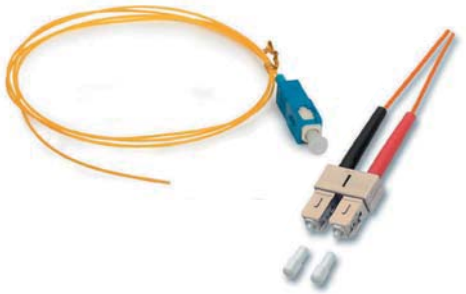
Bend Radius
CAN-BR-2X

ODF Type Large Bend Radius
CAN-BR-1XX

PIGTAILS

Canovate pigtails are available with different buffer and jacket types and colors, including bare fibers (250 microns), tight buffers (900 microns) or jacketed minicables in simplex or duplex (zip-cord) constructions.

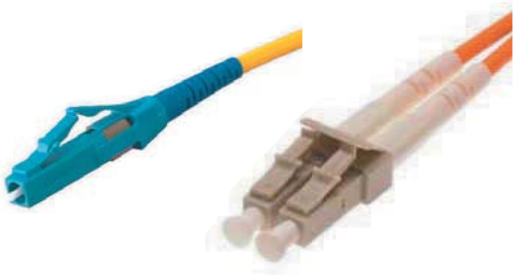
SC Pigtails



Part No	Type
KSM-0-PGSXYYY-0-SC09uu-t	yyy meter SC/uu SM Fiber Pigtail, 0.9 mm , t
KMM-0-PGSXYYY-0-SC09uu-t	yyy meter SC/uu MM Fiber Pigtail, 0.9 mm , t

yyy : Avaliable lenghts in meter 0.5/1/1.5/2,3
uu: "AP" APC
t : Avaliable colors (0: White, 1:Beige , 2:Black, 3:Red, 4:Green, 5:Blue, 6:Yellow, 7:Orange)

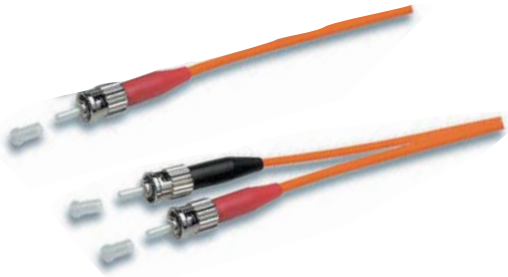
LC Pigtails



Part No	Type
KSM-0-PGSXyyy-0-LC09uu-t	yyy meter LC/uu SM Fiber Pigtail, 0.9 mm , t
KMM-0-PGSXyyy-0-LC09uu-t	yyy meter LC/uu MM Fiber Pigtail, 0.9 mm , t

yyy : Avaliable lenghts in meter 0.5/1/1.5/2,3
uu: "AP" APC
t : Avaliable colors (0: White, 1:Beige , 2:Black, 3:Red, 4:Green, 5:Blue, 6:Yellow, 7:Orange)

ST Pigtails



Part No	Type
KSM-0-PGSXyyy-0-ST09uu-t	yyy meter ST/uu SM Fiber Pigtail, 0.9 mm , t
KMM-0-PGSXyyy-0-ST09uu-t	yyy meter ST/uu MM Fiber Pigtail, 0.9 mm , t

yyy : Avaliable lenghts in meter 0.5/1/1.5/2,3
uu: "AP" APC
t : Avaliable colors (0: White, 1:Beige , 2:Black, 3:Red, 4:Green, 5:Blue, 6:Yellow, 7:Orange)

FC Pigtails

Part No	Type
KSM-0-PGSXyyy-0-FC09uu-t	yyy meter FC/uu SM Fiber Pigtail, 0.9 mm , t
KMM-0-PGSXyyy-0-FC09uu-t	yyy meter FC/uu MM Fiber Pigtail, 0.9 mm , t

yyy : Avaliable lenghts in meter 0.5/1/1.5/2,3
uu: "AP" APC
t : Avaliable colors (0: White, 1:Beige , 2:Black, 3:Red, 4:Green, 5:Blue, 6:Yellow, 7:Orange)

E2000 Pigtails

Part No	Type
KSM-0-PGyyy-0-E209uu-t	yyy meter E2000/uu Single Mode Pigtail, 0.9 mm, t
KMM-0-PGyyy-0-E209uu-t	yyy meter E2000/uu Multi Mode Pigtail, 0.9 mm, t

yyy : Avaliable lenghts in meter 0.5/1/1.5/2,3
uu: "AP" APC
t : Avaliable colors (0: White, 1:Beige , 2:Black, 3:Red, 4:Green, 5:Blue, 6:Yellow, 7:Orange)

How to order

K-- - PG----- --09 -

SM:Single Mode / MM: Multi Mode
L: LSZH / F: PVC
SX150: Simplex 1,5m /DX050: Duplex 0,5m
SX100: Simplex 1,0m / DX200: Duplex 2,0m

0: White / 1: Grey / 2: Black / 3: Red
4: Green / 5: Blue/ 6: Yellow /7 Orange
SC09: SC 0,9mm / LC09: LC 0,9mm
ST09: ST 0,9mm / FC09: FC 0,9mm

Order Example:
KSM-L-PGSX100-0-SC09-6: Single Mode 1m SC Simplex Pigtail, LSZH, Yellow, 0.9mm

PATCH CORDS

Canovate patch cords are outstanding with different buffer and jacket types and colors, including out diamater (2-3 mm), tight buffers or jacketed minicables in simplex or duplex (zip-cord) constructions.

SC Patch Cords

Part No	Type
KSM-x-PCSxyyy-0-SCzzuu-t	yyy meter SC-zz/uu Simplex SM Fiber Patch Cord, x, t
KSM-x-PCDxyyy-0-SCzzuu-t	yyy meter SC-zz/uu Duplex SM Fiber Patch Cord, x, t
KMM-x-PCSxyyy-0-SCzzuu-t	yyy meter SC-zz/uu Simplex MM Fiber Patch Cord, x, t
KMM-x-PCDxyyy-0-SCzzuu-t	yyy meter SC-zz/uu Duplex MM Fiber Patch Cord, x, t

LC Patch Cords

Part No	Type
KSM-x-PCSxyyy-0-LCzzuu-t	yyy meter LC-zz/uu Simplex SM Fiber Patch cord, x, t
KSM-x-PCDxyyy-0-LCzzuu-t	yyy meter LC-zz/uu Duplex SM Fiber Patch cord, x, t
KMM-x-PCSxyyy-0-LCzzuu-t	yyy meter LC-zz/uu Simplex MM Fiber Patch cord, x, t
KMM-x-PCDxyyy-0-LCzzuu-t	yyy meter LC-zz/uu Duplex MM Fiber Patch cord, x, t

ST Patch Cords

Part No	Type
KSM-x-PCSXyyy-0-STzzuu-t	yyy meter ST-zz/uu Simplex SM Fiber Patch cord, x, t
KSM-x-PCDXyyy-0-STzzuu-t	yyy meter ST-zz/uu Duplex SM Fiber Patch cord, x, t
KMM-x-PCSXyyy-0-STzzuu-t	yyy meter ST-zz/uu Simplex MM Fiber Patch cord, x, t
KMM-x-PCDXyyy-0-STzzuu-t	yyy meter ST-zz/uu Duplex MM Fiber Patch cord, x, t

FC Patch Cords

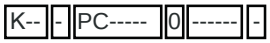
Part No	Type
KSM-x-PCSXyyy-0-FCzzuu-t	yyy meter FC-zz/uu Simplex SM Fiber Patch cord, x, t
KSM-x-PCDXyyy-0-FCzzuu-t	yyy meter FC-zz/uu Duplex SM Fiber Patch cord, x, t
KMM-x-PCSXyyy-0-FCzzuu-t	yyy meter FC-zz/uu Simplex MM Fiber Patch cord, x, t
KMM-x-PCDXyyy-0-FCzzuu-t	yyy meter FC-zz/uu Duplex MM Fiber Patch cord, x, t

E2000 Patch Cords

Part No	Type
KSM-x-PCSXyyy-0-FCzzuu-t	yyy meter FC-zz/uu Simplex SM Fiber Patch cord, x, t
KSM-x-PCDXyyy-0-FCzzuu-t	yyy meter FC-zz/uu Duplex SM Fiber Patch cord, x, t
KMM-x-PCSXyyy-0-FCzzuu-t	yyy meter FC-zz/uu Simplex MM Fiber Patch cord, x, t
KMM-x-PCDXyyy-0-FCzzuu-t	yyy meter FC-zz/uu Duplex MM Fiber Patch cord, x, t

x : "L" LSZH / "P" PE
yyy : Avaliable lenghts in meter 0.5/1/1.5/2,3,5 and 10 (up to 70m special)
zz: SC:SC / LC:LC / ST:ST / MJ: MT-RJ / FC: FC
uu: "AP" APC / "UP" UPC
t: Avaliable colors (0: White, 1:Beige 2:Black, 3:Red, 4:Green, 5:Blue, 6:Yellow, 7:Orange)

How to order



SM:Single Mode / MM: Multi Mode
L: LSZH / F: PVC
SX150: Simplex 1,5m /DX050: Duplex 0,5m
SX100: Simplex 1,0m / DX200: Duplex 2,0m

0: White / 1: Grey / 2: Black / 3: Red
4: Green / 5: Blue/ 6: Yellow /7 Orange
SCSCUP: SC/SC UPC/ LCLCAP: LC/LC APC
SCLCAP: SC/LC APC / STSCUP: ST/SC/UPC

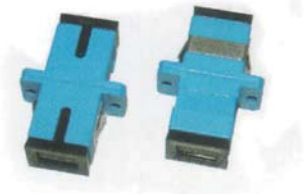
Order Example:
KMM-L-PCDX150-0-SCLCUP-7: Multi Mode 1.5m SC/LC UPC Duplex Patch Cord, LSZH, Orange, 2mm

Fiber Accessories & Connectivity

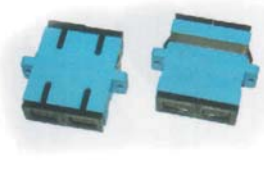
ADAPTERS

Canovate fiber optic adapters are compatible with all fiber types including singlemode (9/125 microns), multimode (50/125 microns) fibers. Canovate components comply with both major industry standarts, ANSI/TIA/EIA 568-B.3 and IEC 60874 providing a full range of connectors and adapters, offering a user-frendly solutions in the vertical and horizontal environments.

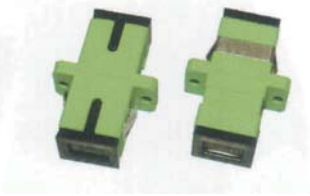
SC Adapters



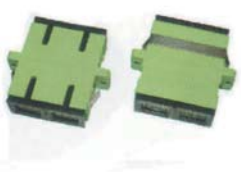
SC Single Mode Simplex



SC Single Mode Duplex



SC/APC Single Mode Simplex



SC/APC Single Mode Dublex

Part No	Type
KSM-0-ADSX-0-SC-5	SC type FO adapter SM Simplex, Blue
KSM-0-ADDX-0-SC-5	SC type FO adapter SM Duplex, Blue
KSM-0-ADSX-0-SCAP-4	SC/APC type FO adapter SM Simplex, Green
KSM-0-ADDX-0-SCAP-4	SC/APC type FO adapter SM Duplex, Green
KMM-0-ADSX-0-SC-1	SC type FO adapter MM Simplex, Beige
KMM-0-ADDX-0-SC-1	SC type FO adapter MM Duplex, Beige

MT-RJ / FC / MU / DIN connectors and adapters are available

LC Adapters

LC Single Mode Simplex

LC Single Mode Duplex

LC Multi Mode Simplex

LC Multi Mode Dublex

Part No	Type
KSM-0-ADSX-0-LC-5	LC type FO adapter SM Simplex, Blue
KSM-0-ADDX-0-LC-5	LC type FO adapter SM Duplex, Blue
KMM-0-ADSX-0-LC-1	LC type FO adapter MM Simplex, Beige
KMM-0-ADDX-0-LC-1	LC type FO adapter MM Duplex, Beige

MT-RJ / FC / MU / DIN connectors and adapters are available

ST Adapters

ST Single Mode Simplex

ST Multi Mode Simplex

Part No	Type
KSM-0-ADSX-0-ST-2	ST type FO adapter SM Simplex, Black
KSM-0-ADSX-0-ST-3	ST type FO adapter MM Simplex, Red

MT-RJ / FC / MU / DIN connectors and adapters are available

FC Adapters

FC Single Mode Simplex

FC Multi Mode Simplex

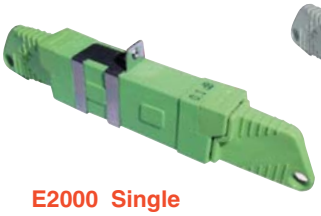
Part No	Type
KSM-0-ADSX-0-FC-0	FC type FO adapter SM Simplex, White
KSM-0-ADSX-0-FC-0	FC type FO adapter MM Simplex, White

MT-RJ / FC / MU / DIN connectors and adapters are available

E2000 Adapters

Part No	Type
KSM-0-ADSX-0-E2-4	E2000 type FO adapter SM Simplex, Green
KSM-0-ADSX-0-E2-1	E2000 type FO adapter MM Simplex, Beige

MT-RJ / FC / MU / DIN connectors and adapters are available



E2000 Single Mode Simplex

E2000 Multi Mode Simplex

Fiber Accessories & Connectivity

CONNECTORS

Fiber Optic Connector is an important component used in the fiber optic network. It is also the key part used in fiber optic patch cord and fiber optic pigtail. There are many kinds of fiber optic connectors. We supply one piece fiber optic connectors various types, including standard connectors and irregular types, epoxy types. we supply fiber optic types include: SC fiber optic connector,FC fiber optic connector,ST fiber optic connector,LC fiber optic connector,MU fiber optic connector,SC/APC fiber optic connector,FC/APC fiber optic connector,etc.both Single mode fiber optic connector and multimode fiber optic connector available.

- Single mode, multimode available
- All connectors with dusty cap
- Compliant with RoHS requirement

SC Connectors

SC Single Mode, Simplex

SC Single Mode, Duplex

SC Multi Mode, Simplex

SC Multi Mode, Duplex

Part No	Type
KSM-0-CNSX-0-SC-5	SC type FO connector SM Simplex, Blue
KSM-0-CNDX-0-SC-5	SC type FO connector SM Duplex, Blue
KSM-0-CNSX-0-SCAP-4	SC/APC type FO connector SM Simplex, Green
KSM-0-CNDX-0-SCAP-4	SC/APC type FO connector SM Duplex, Green
KMM-0-CNSX-0-SC-1	SC type FO connector MM Simplex, Beige
KMM-0-CNDX-0-SC-1	SC type FO connector MM Duplex, Beige

MT-RJ / FC / MU / DIN connectors and adapters are available

SC/APC Single Mode, Simplex

LC Connectors

LC Single Mode, Simplex

LC Single Mode, Duplex

LC Multi Mode, Simplex

LC Multi Mode, Duplex

Part No	Type
KSM-0-CNSX-0-LC-5	LC type FO connector SM Simplex, Blue
KSM-0-CNDX-0-LC-5	LC type FO connector SM Duplex, Blue
KMM-0-CNSX-0-LC-1	SC type FO connector MM Simplex, Beige
KMM-0-CNDX-0-LC-1	SC type FO connector MM Duplex, Beige

MT-RJ / FC / MU / DIN connectors and adapters are available

ST Connectors

ST Single Mode, Simplex

ST Multi Mode, Simplex

Part No	Type
KSM-0-CNSX-0-ST-6	ST type FO connector SM Simplex, Yellow
KMM-0-CNSX-0-ST-2	ST type FO connector MM Simplex, Black

MT-RJ / FC / MU / DIN connectors and adapters are available

FC Connectors

FC Single Mode, Simplex

FC/APC Single Mode, Simplex

Part No	Type
KSM-0-CNSX-0-FC-5	FC type FO connector SM Simplex, Blue
KMM-0-CNSX-0-FC-4	FC type FO connector MM Simplex, Green

MT-RJ / FC / MU / DIN connectors and adapters are available

E2000 Connector

Part No	Type
KSM-0-CNSX-0-E2-4	E2000 type FO connector SM Simplex, Green
KMM-0-CNSX-0-E2-1	E2000 type FO connector MM Simplex, Beige

MT-RJ / FC / MU / DIN connectors and adapters are available

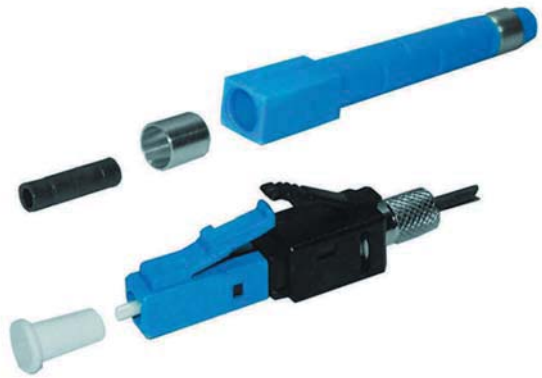
E2000 Single Mode Simplex

Field Installable Connector

Field Installable Connector (FIC) is a perfect solution for field working and FTTH connection. It is widely used for where need to quick connection, providing a quickly assembling and stable performance. When engineers work in field for installation, maintenance, repair of optical fiber, or FTTH indoor terminate, they can use it easily because it has no epoxy, no polishing.
FIC connector is designed inside ferrule with fiber stuff and pre-polishing in the factory. It provides a perfect ferrule endface quality. This has great help to protect user's equipment interface and improves the connector loss.

The Fast Connector (Field Assembly Connector or Quickly Assembly Fiber Connector) is a revolutionary field installable optical fiber connector that requires no epoxy , no polishing and no other specialized tools. The unique design of the patented mechanical splice body incorporates a factory-mounted fiber stub and a pre-polished ceramic ferrule.

- Available for 250μm, 900μm, 2.0mm and 3.0mm cables
- Complete with industry standard length Strain Relief Boot
- Cable Tensile test complies with Telcordia GR-326-CORE



Features

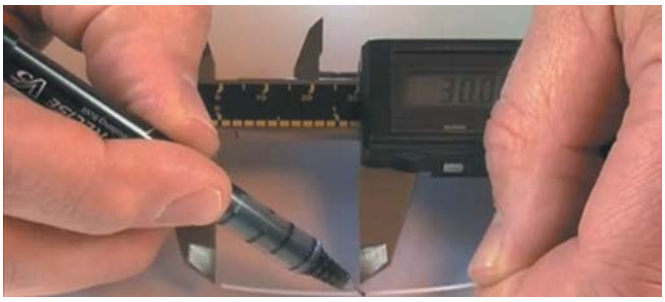
- No epoxy, no polishing, no adhesive, no electricity required
- Field installable, cost effective and user friendly
- Completely mechanical splice. No electricity required
- Can be assembled in the field in less than 1 minute
- Reliable and superior optical performance
- Connector has a fiber guide to aid insertion, and reduce installation error
- Only the basic Fiber termination tools are required
- Connector has fiber already inside, and a prepolished ferrule for superior results and reliable termination
- Complete with industry standard length Strain Relief Boot
- Cable Tensile test complies with Telcordia GR-326-CORE

Applications

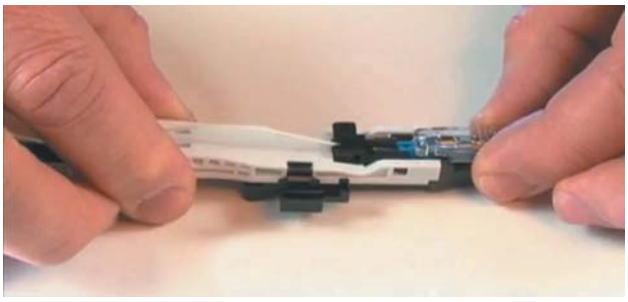
- Optical Distribution Frame
- Optical Network Equipments
- FTTHs CATV

How to install

1 - Cutting Fiber

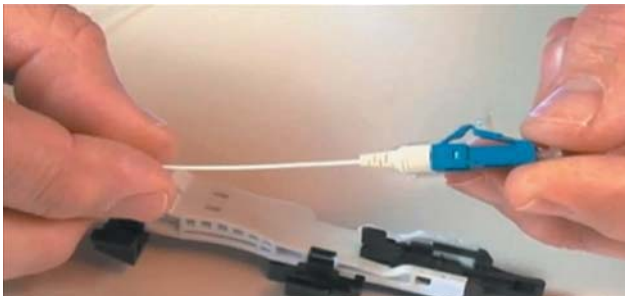


2 - Inserting Fiber



3 - Take Out Connector

4 - Add Boot and ready



Part No	Type
KSM-0-CNFISX-0-SC-5	SC type FO Field Installable connector SM Simplex, Blue
KSM-0-CNFISX-0-SCAP-4	SC/APC type FO Field Installable connector SM Simplex, Green
KMM-0-CNFISX-0-SC-0	SC type FO Field Installable connector MM Simplex, White
KSM-0-CNFISX-0-LC-5	LC type FO Field Installable connector SM Simplex, Blue
KSM-0-CNFISX-0-LCAP-4	LC/APC type FO Field Installable connector SM Simplex, Green
KMM-0-CNFISX-0-LC-0	LC type FO Field Installable connector MM Simplex, White

Fiber Accessories & Connectivity

Single Mode Pre-Assembled Breakout (Drop Cable)

Each pre-terminated fiber assembly is delivered to the installer with the delicate fibers and connectors protected by a plastic tube. A pulling eye is attached to the strength members of the cable allowing full pulling force to be applied during installation without any rist to the optical fibers.
Te assembly is ready to install, right down to the pre-fitted cable glands. Simply remove the pulling eye and protective tubes, feed the fibers into the rear of a sliding tray patch panel, tighten the cable gland to the rear of the panels and the installation is complete

Standart Configuration

Pre-terminated Assemblies are supplied as standard with protection sleeve, pulling eye and staggered distribution. Alternative labeling options are available. Please Contact us with your requirements.
Assemblies are identified by a serial number

Standart Construction : Staggered

Special Construction : Fan-Out

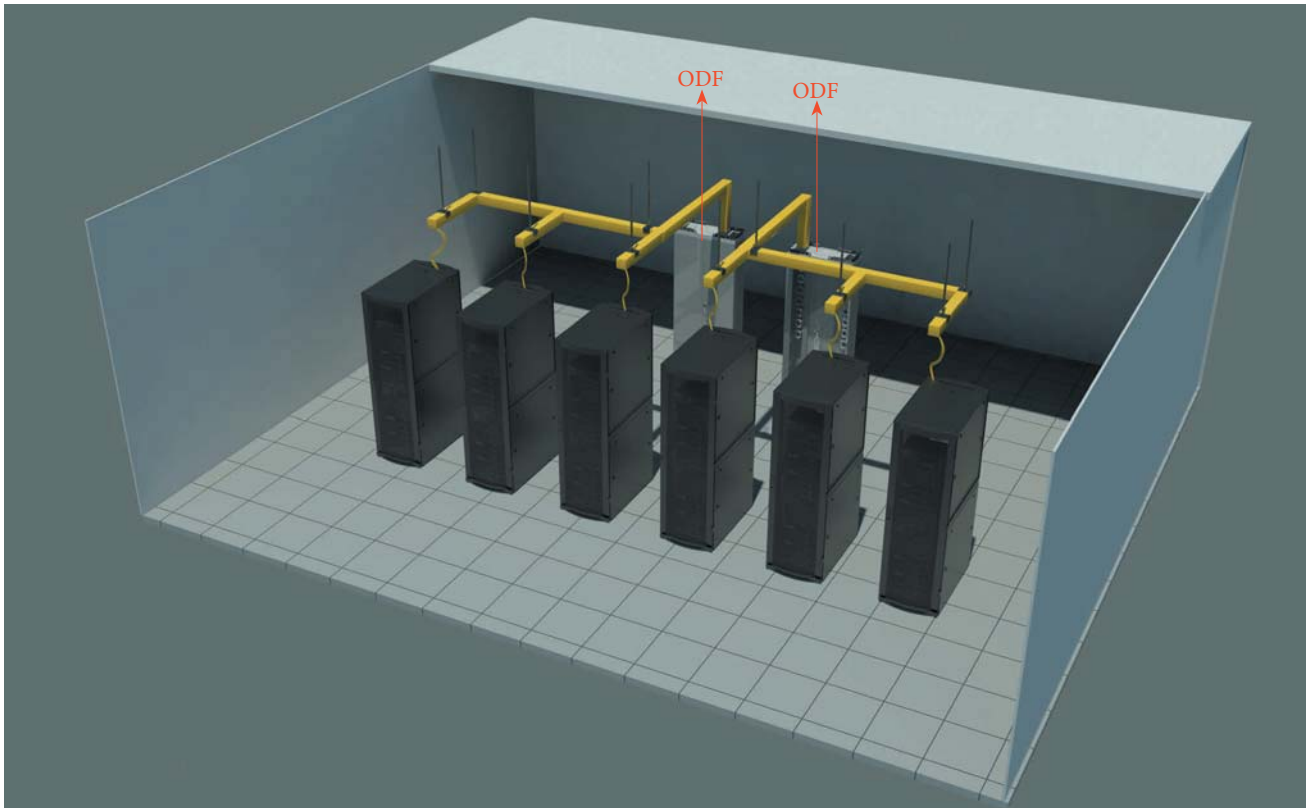
Part No	Type
KSM-x-KK04PR-0-SC-1	4 core Single Mode Pre-terminated (SC) cable (9/125), Grey
KSM-x-KK08PR-0-SC-1	8 core Single Mode Pre-terminated (SC) cable (9/125), Grey
KSM-x-KK12PR-0-SC-1	12 core Single Mode Pre-terminated (SC) cable (9/125), Grey
KSM-x-KK12PR-0-SC-1	12 core SC Fanout cable (9/125), Grey
KSM-x-KK12PR-0-LC-1	12 core LC Fanout cable (9/125), Grey
K00-x-PPPR96-0-LC-2	96 Port Pre-terminated LC Fiber Patch Panel, Black
K00-x-PPPRMD-0-LC-2	Pre-terminated Modular LC Fiber Patch Panel, Black
KMM-x-KK12PR-0-0-2	12 core Multi Mode MTP Trunk cable (9/125), Black

x : "L" LSZH / "P" PVC
MT-RJ / FC / MU / E2000 / DIN connectors and special designs are available

MPO Cable

ODF to ODF Example

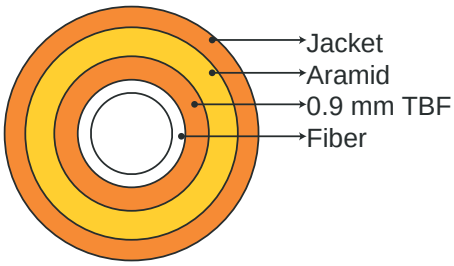
MPO cables are linking between ODF's (Optical Distribution Frame) and equipped Rack Cabinets. Canovate MPO's makes high density connecitions between to points, which supports up to 144 fiber capacity. There are no requirement for splicing or connector assembly.



FTTH CABLES INDOOR USE

Bend Insensitive Cables

This cable is made with G657 bend insensitive single mode optical fiber, using tight buffered structure fiber; Diameter is 0,87 ±0,05mm, wall thickness is 0,31 ±0,02mm



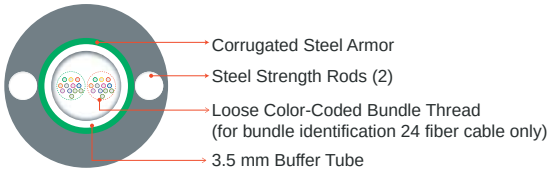
Construction

- Outer jacket of this cable is made by LSZH FR,
- Diameter is 1,88-1,9mm, wall thickness 0,33 ±0,04
- Working wavelenght: 1310/1550nm
- Attenuation :0,40/0,30 dB/km
- Dispersion :less than 18ps(nm.km) for 1550nm, less than 22ps(nm.km) for 1625nm,

Part No K00-0-KKFI-SPC-0-2

FTTH Drop Cable

The optical fiber unit is positioned in the center. Two parallel Fiber Reinforced Plastic (FRP) are placed at two sides. Then the cable is completed with a black or colour LSZH sheath.



- Ready-to use, ready-to-draw system
- For easy and time-saving installation
- No splicing or plug assembly necessary
- All connector types available
- Up to 12 fibers in each module
- Up to 2 modules for each cable when using TWINTUBE cables
- Ruggedised tails within the module (0 1.7 mm)
- Up to 24 In each module when using SFF connectors
- Primary coated tails within the module (0 0.9 mm)

Applications

Pre-terminated and factory tested the cable system is loaded into a LiSA Fiber Tray unit allowing high fiber count links to be constructed on site in a matter of minutes without the need for costly and time-consuming splicing

Part No K00-0-KKDC-SPC-0-2