FTTH SOLUTION

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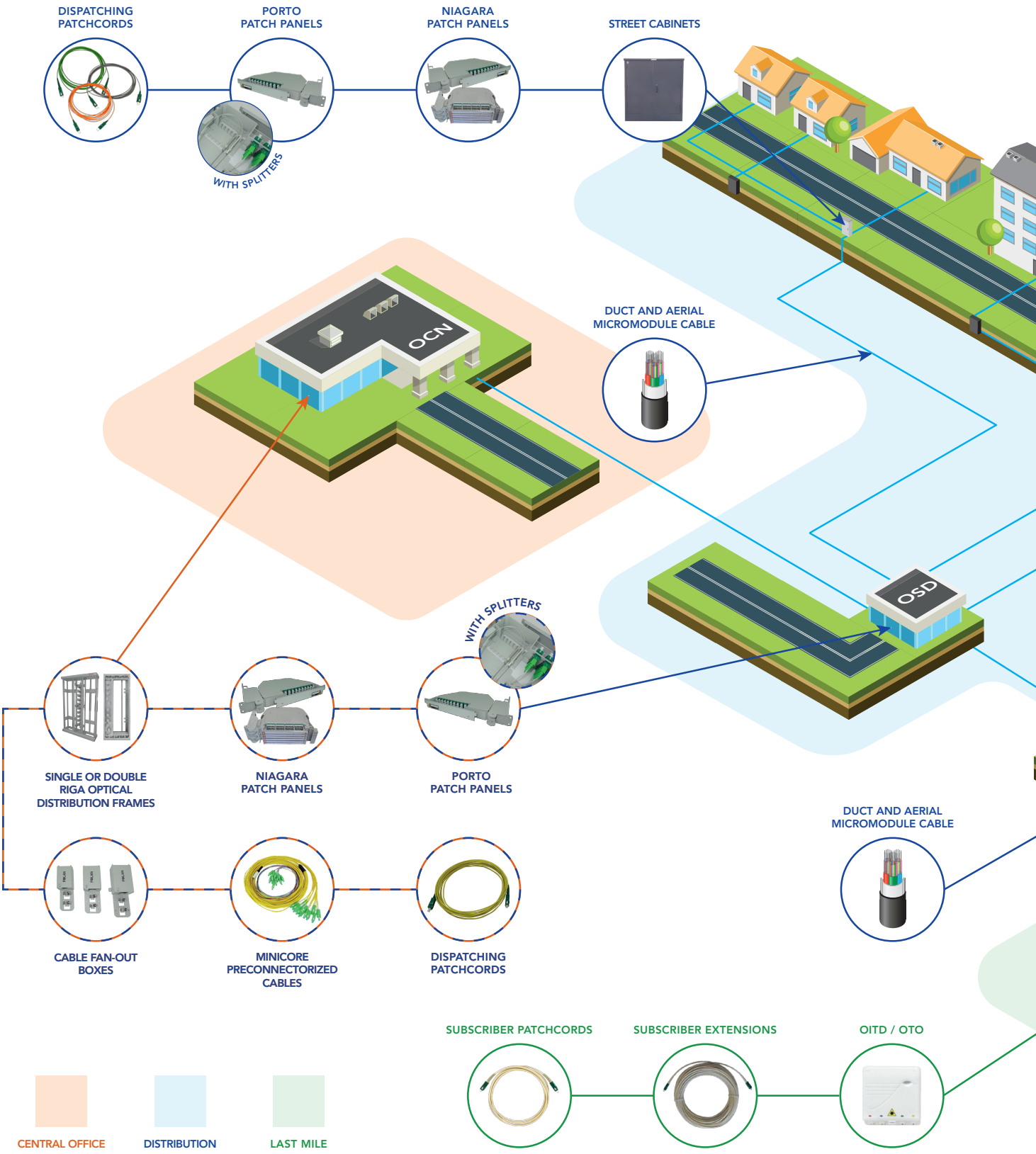
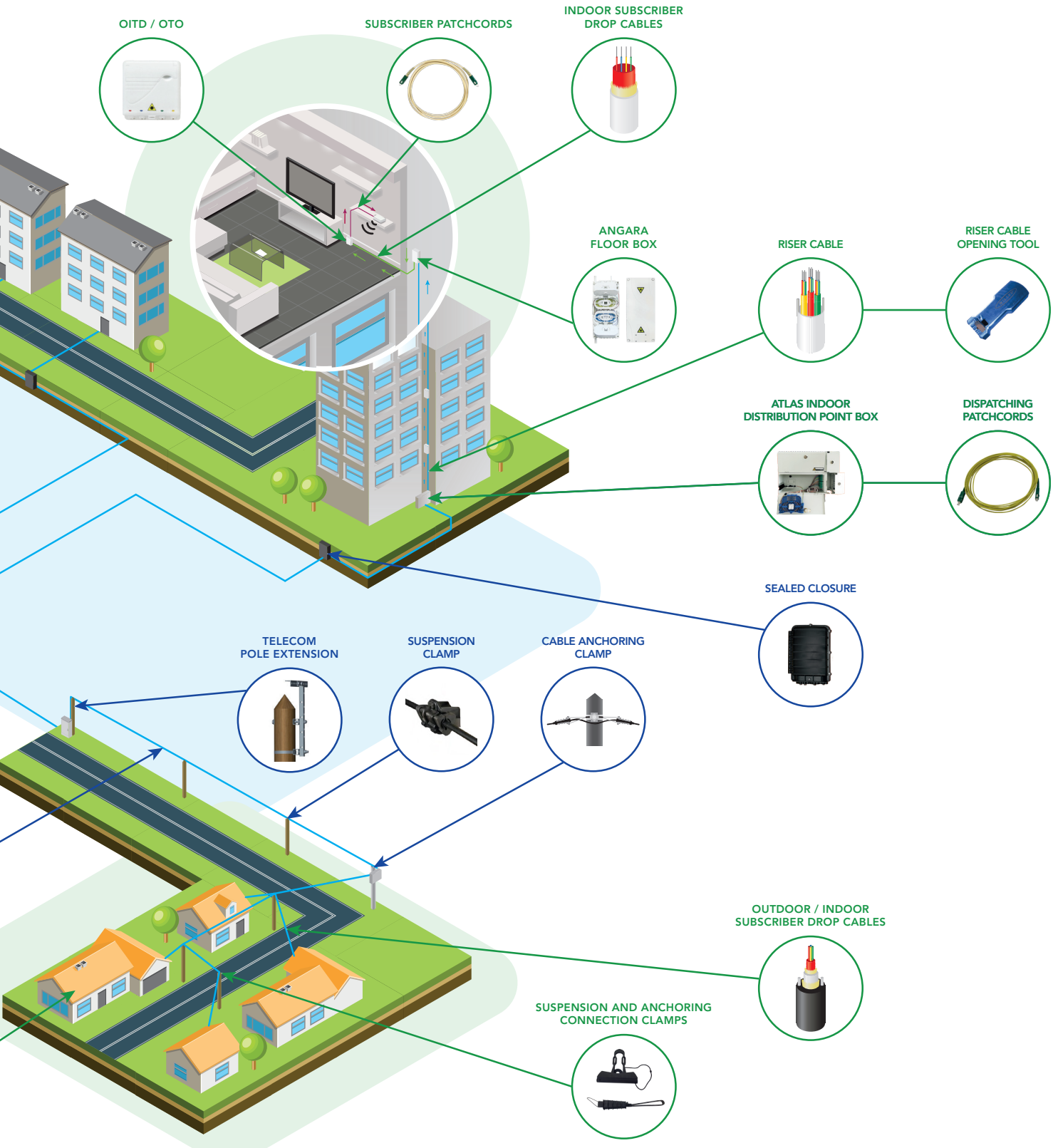




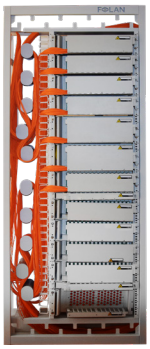
OCN: Optical Connection Node

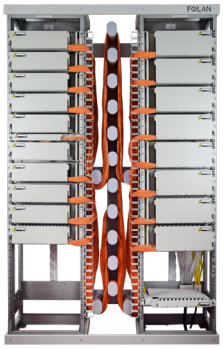
OCP: Optical Connection Point

OSD: Optical Sub-Distribution Frame

OITD: Optical Indoor Termination Device

OTO: Optical Telecommunication Outlet





RIGA INDOOR OPTICAL DISTRIBUTION FRAMES

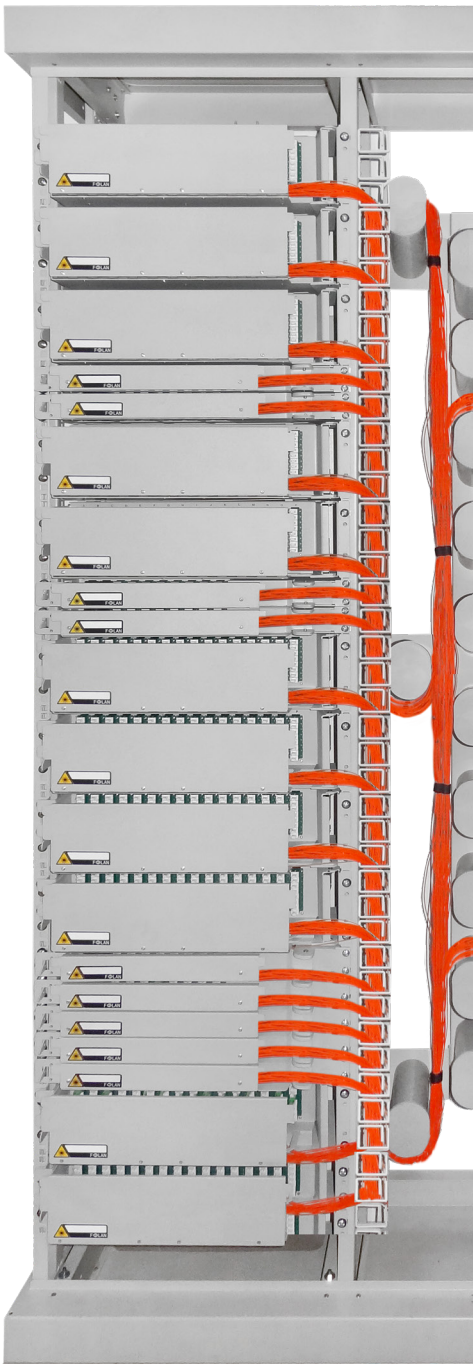
RIGA SINGLE
- 1 x 19" zone
- **19" Capacity:** 41U
- **Dimensions (W x H x D):** 800 x 2,200 x 300mm
- **Vertical patch cord organizers** on the left, allowing patch cords to be dispatched inside the distribution frame, providing top or bottom output
- **Fastening:** Wall, ground, back to back, juxtaposed
- **Application:** OCN, indoor DP - recommended for 1,000 subscribers

RIGA DOUBLE
- 2 x 19" zones
- **19" Capacity:** 42U
- **Dimensions (W x H x D):** 1,400 x 2,200 x 305mm
- **Patch cord organizers:** central zone for the dispatching of single-length 4m patch cords (1.6mm Ø)
- **Fastening:** Wall, ground, back to back, juxtaposed
- **Application:** Indoor DP - recommended for 1,000 subscribers

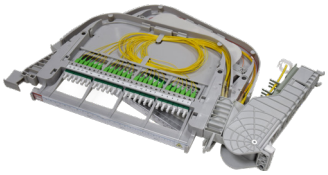
OUTDOOR OPTICAL DISTRIBUTION FRAMES STREET CABINETS

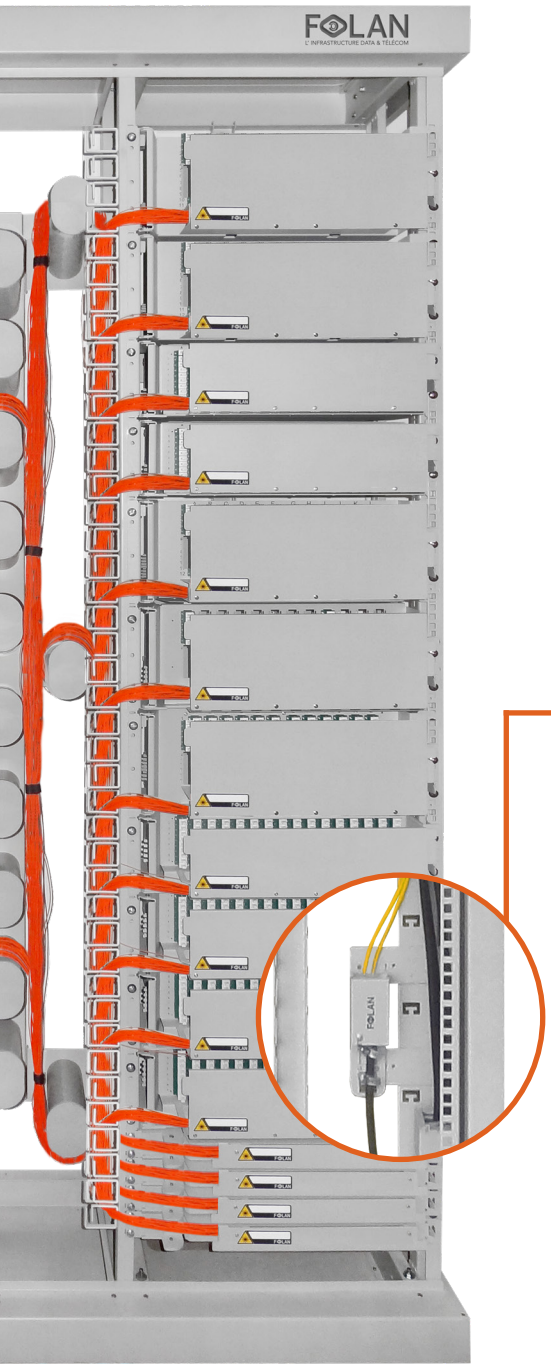
PM100 PASSIVE - Simple-skin street cabinet
- 1 x 19" zone
- **19" Capacity:** 1 x 15U
- **Dimensions (W x H x D):** 800 x 1,050 x 350mm
- **Vertical patch cord organizers** on the left for the dispatching of single-length 2.5m patch cords (1.6mm Ø)
- **Lock:** 3-point via half Euro cylinder fingerprint lock
- **Fastening:** to the ground via fastening points accessible from inside the cabinet + 4 hoisting points under the roof
- **Application:** Outdoor DP up to 100 subscribers in LDA

PM360 PASSIVE - Simple-skin street cabinet
- 2 x 19" zones
- **19" Capacity:** 2 x 28U
- **Dimensions (W x H x D):** 1,600 x 1,625 x 350mm
- **Patch cord organizers:** central zone for the dispatching of single-length 3.5m patch cords (1.6mm Ø)
- **Fastening:** to the ground via fastening points accessible from inside the cabinet + 4 hoisting points under the roof
- **Application:** Outdoor DP up to 360 subscribers in LDA



IN USE





PORTO & NIAGARA OPTICAL PATCH PANELS

- 19" pivoting patch panels
- Limited depths = FTTH applications
- **Fixed fastening tab** for incoming cables and tubes/protective jackets
- **Pivoting tray** accommodating the dispatching interface and splicing trays
- **High density:** 48 optical fibers on 1U, up to 144 optical fibers on 3U
- **Comprehensive** and **configurable** product **range**:
  - = available in metal or plastic
  - = basic model or pre-equipped
  - = compatible with PON applications

CABLE FAN-OUT BOXES (CFOS)

- **Secure steel** boxes
- 2-point fastening system securely grips incoming cables
- **Universal** and suitable for all types of distribution frame
- **Robust fasteners** allowing fibers to safely fan out
- Strain relief system using cable reinforcing elements
- **Protective jackets** (4.3mm or 10mm Ø) secured with combs
- **Capacity:**
  - = CFO2: 96 OF - cable Ø 8 to 13mm - 8 x 4.3mm Ø jackets
  - = CFO3: 288 OF - cable Ø 8 to 13mm - 24 x 4.3mm Ø jackets
  - = CFO4: 1728 OF - cable Ø 14 to 22mm - 12 x 10mm Ø jackets

OPTICAL FIBER COMPONENTS

PLS splitters
- **Complete range:** 1x2 to 1x128 and 2x2 to 2x128
- **3 formats:** micromodule (OF in 250µm), minimodule (900µm), ABS Box (2mm)
- Available in **bare** & **preconnectorized versions** and/or **integrated into optical** patch panels

Preconnectorized Minicore || MiniBreakout cables
- **Available in 2 models:** 12 OF or 24 OF in G657A2
- **Very compact cables:** 4.3mm Ø for the 12 OF model and 4.6mm Ø for the 24 OF model
- **Retubing diameter:** 900µm, 1.6mm or 2mm
- Preconnectorization with **choice of length** and **connectors**

Dispatching patch cords
- Wide range of lengths, types of optical fiber, connectors and patch cord colors
- **Simplex** or **zipcord patch cords**
- **SC** and **LC** short-sleeve connectors
- High optical performance

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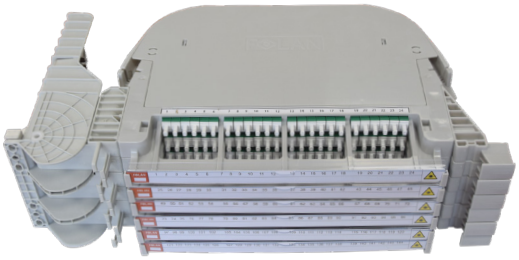
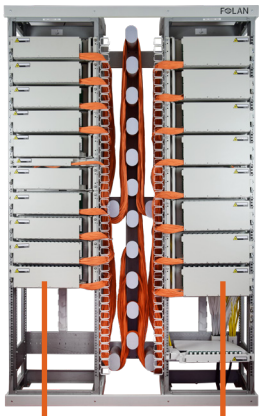
PORTO & NIAGARA OPTICAL PATCH PANELS

PORTO and **NIAGARA** optical patch panels are **19"** pivoting patch panels, featuring a pivot and an upper protective cover to facilitate access to the components. They consist of a **fixed fastening frame for incoming** cables and tubes/protective jackets, and a **pivoting tray** accommodating the dispatching interface and splicing trays.

These patch panels can be used for **simple dispatching** (direct connectorization), **combining splicing** with **dispatching** as part of a splicing pigtailing configuration, or **connecting PLC splitters** with preconnectorized branch management.



PLASTIC NIAGARA 3U PATCH PANEL



RIGHT PIVOT: PORTO

LEFT PIVOT: NIAGARA

FTTH APPLICATION

The **shallow depth of** PORTO and NIAGARA optical patch panels and their 3rd fastening point enable their integration into a distribution frame. They are therefore ideally suited to FTTH deployments, in **Optical Connection Nodes** (OCN) and **Distribution Points** (DP).

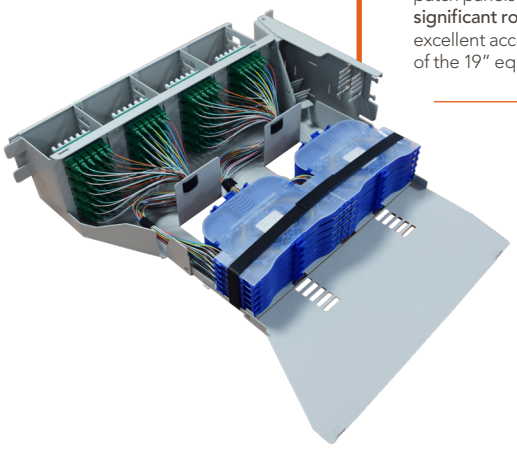
4 PORTO MODELS		
METAL	1U	T1P
	3U	T3P
PLASTIC	1U (2 x 0,5)	T1P PL
	3U (6 x 0,5)	T3P PL

11 VERSIONS TO COVER ALL NEEDS

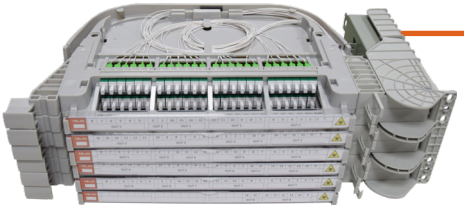
FOLAN provides a broad range of pivoting optical patch panels to cover all market requirements. Robustness, lightness, accessibility, ease and speed of installation... Each of our patch panels addresses a specific need by combining technicality with innovation.

7 MODÈLES NIAGARA			
METAL	1U		T1N
	3U	PATCH CORDS IN COLUMNS	T3N
	3U	PATCH CORDS IN LINES	T3N M6
	4U		T4N
	1U	PATCH CORD CONTAINER	T1N BJ
PLASTIC	1U (2 x 0,5)		T1N PL
	3U (6 x 0,5)		T3N PL

The functional panel of the metal PORTO and NIAGARA patch panels guarantees **significant rotation** for excellent access to the bottom of the 19" equipment.



METAL NIAGARA 3U M6 PATCH PANEL

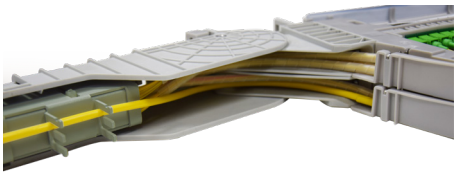


PLASTIC PORTO 3U PATCH PANEL WITH SPLITTERS

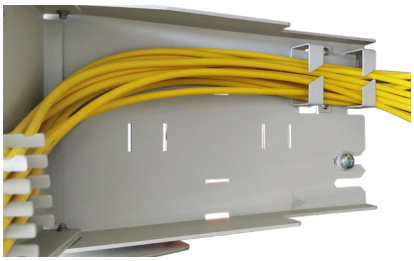
Designed to guarantee **quick and easy installation**, the plastic patch panel is equipped with a pre-positioning system and a closing clip and lock so that it **can be fastened without cage nuts in less than 40 seconds.**

CABLE FASTENING

On PORTO and NIAGARA patch panels, the tubes/protective jackets are guided and incoming cables are fastened directly to the patch panel's fixing tab. Combs are used to guide optical fibers to splicing trays in modules of 6 or 12 optical fibers This fastening system respects the bending radius according to the type of fiber used (G652D and G657A2).

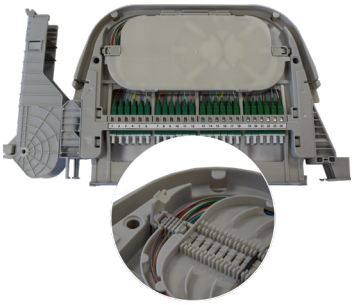


PLASTIC PORTO 1U PATCH PANEL WITH SPLITTERS



METAL NIAGARA 3U PATCH PANEL

TRAYS AND SPLICING CAPACITY



PLASTIC NIAGARA 1U PATCH PANEL
CLOSE-UP OF SPLICING TRAY

Metal PORTO and NIAGARA patch panels contain trays with 12 juxtaposed splices secured to a holding plate. The coupling system with up to 90° tilt improves accessibility, thus facilitating splicing.

Plastic patch panels are equipped with a single tray containing 24 splices. This splicing tray helps manage pigtails in 2 stackable combs.

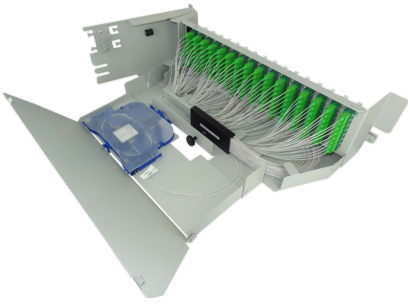
FOLAN trays are used for the storage and coiling of bare fiber (≈ 1m) to facilitate splicing from a distance.

T1P PL	T1N PL	T1P	T1N	T3P PL	T3N PL	T3P	T3N	T3N M6	T4N
2 TRAYS OF 24 OF		4 TRAYS OF 12 OF		6 TRAYS OF 24 OF		12 TRAYS OF 12 OF			
48 SPLICES				144 SPLICES					

PATCH PANELS COMPATIBLE WITH PON NETWORKS

PORTO and NIAGARA patch panels are compatible with PON networks and can be fitted with splitters.
The splicing tray allows you to weld the splitter's entry point when it is not connectorized. The splitters' entry points can be preconnectorized and made available on the front of the patch panel.

T1P PL	T1N PL	T1P	T1N	T3P	T3N	T3P PL	T3N PL
4 PLC 1x8 2 PLC 1x16 1 PLC 1x32		8 PLC 1x4 4 PLC 1x8 2 PLC 1x16 1 PLC 1x32		16 PLC 1x8 8 PLC 1x16 4 PLC 1x32 2 PLC 1X64		8 PLC 1x16 4 PLC 1x32 2 PLC 1X64	



METAL PORTO 3U PATCH PANEL WITH SPLITTERS

METAL NIAGARA 4U PRIMER PATCH PANEL

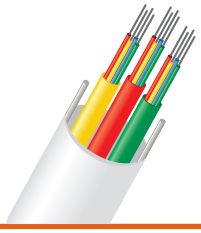
PRE-EQUIPPED VERSIONS

In addition to the basic models, the FOLAN range also includes several pre-equipped models that can save a lot of time on site.

Several solutions are available:
- supplied with mounted connectors and/or pigtails
- with integrated splitters
- welded to a lead-in cable

OPTICAL CONNECTION POINT (OCP) ANGARA INDOOR

- Intended for **vertical FTTH applications in apartment blocks**
- Connection between the permanent access riser column cable and the various subscriber FTTH drop cables
- Installation in common building areas inside service ducts or on downspouts
- **Up to 32 fusion** splices
- **12 x 1 and 2 fiber homes**, 8 x 4 fiber homes
- Intuitive cabling

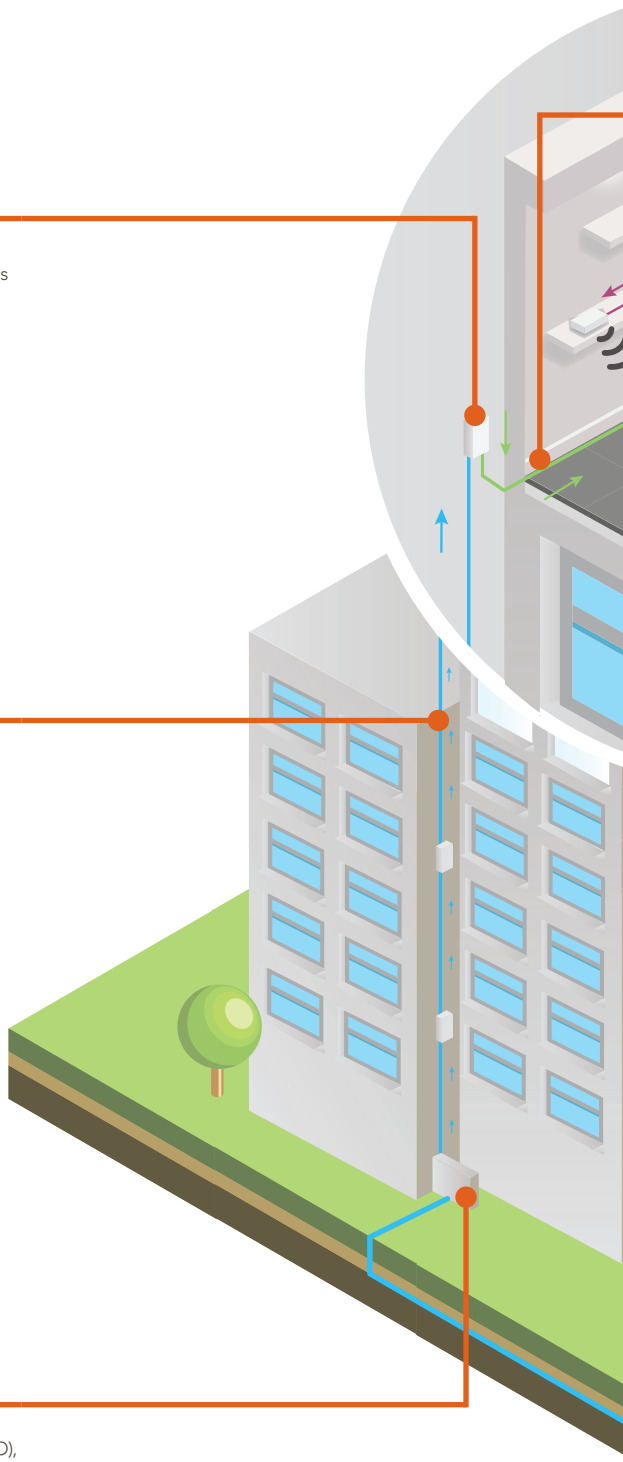


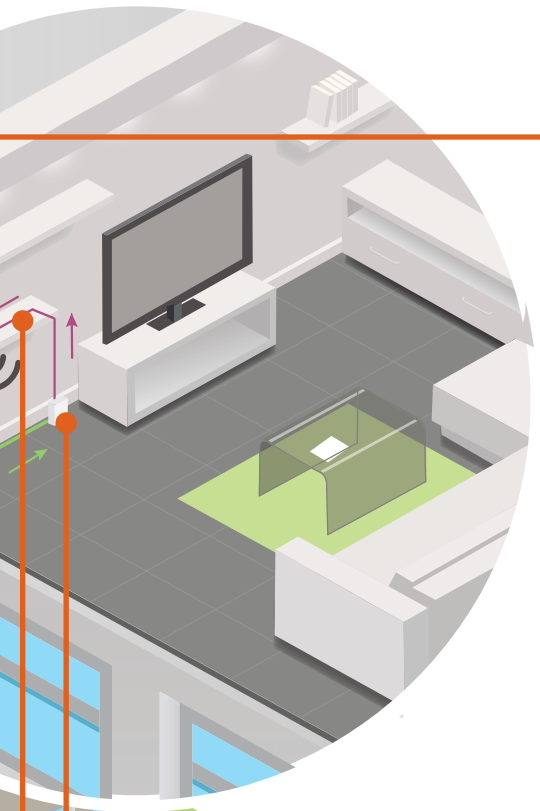
RISER CABLE

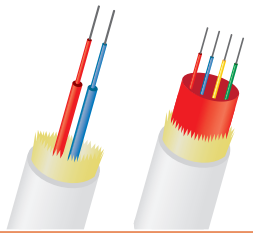
- **Vertical** optical cable or permanent access cable
- Enables optical fiber deployment throughout the building, and therefore connection between the ground floor box and the optical connection points installed on each floor.
- Deployed in riser columns via downspouts or along service ducts
- **Capacity:** 12 to 144 G657A2 optical fibers
- **Micromodule structure** - Modulus 4, 6 or 12 optical fibers
- **Diameters:** 7.5mm to 14mm depending on model
- **Material:** White LSZH-FR outer jacket – CPR Class Dca
- **Preconnectorized model available**

ATLAS BUILDING DISTRIBUTION BOX (BDB)

- **Client Module Model** for the connection of the riser cable(s) installed by the building network operator (BNO),
- **Operator Module Model** for the arrival and connection of commercial operator (CO) cables, regardless of the FTTH technology used, P2P or PON.
- Several modules can be combined to form a **scalable distribution point**
- **Up to 4 pivoting** 12-splice trays
- **1 x 48-fiber dispatching interface** (SC footprints)
- Splitter holder
- **2 independent, secure compartments**
- Available as basic model or pre-equipped with connectors, pigtails, splitters
- Compatible with a preconnectorized riser cable







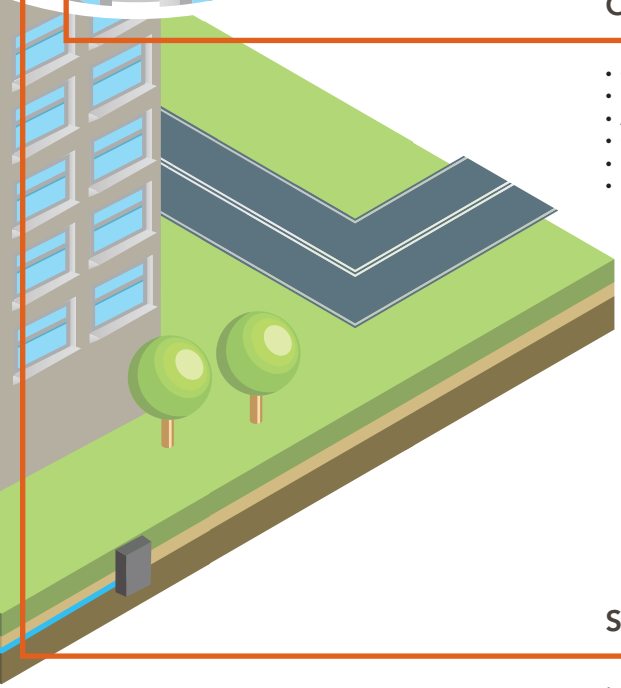
INDOOR SUBSCRIBER DROP CABLES

CBMG [micromodule + 250µm fibers]:
- **Capacity:** 2 or 4 G657A2 optical fibers
- **Structure:** micromodule
- **Diameter:** 4mm
- **Material:** White LSZH-FR outer jacket – CPR Class Dca

CBD [900µm tubed fibers]:
- **Capacity:** 1 or 2 G657A2 optical fibers
- **Structure:** Easy Strip
- **Diameter:** 4mm
- **Material:** White LSZH-FR outer jacket - CPR Class Dca

OPTICAL INDOOR TERMINATION DEVICE [OITD] OPTICAL TELECOMMUNICATION OUTLET [OTO]

- **Optical fiber arrival point** in the subscriber's premises
- Satisfies all quality, reliability and aesthetic requirements of a home environment
- **Available in 1, 2 and 4 optical fibers**
- Compatible with the **G657A2** single-mode optical fiber with a small bending radius
- Equipped with FOLAN's **SC-APC self-protecting adapter**
- Easy to install in new and existing homes, commercial premises and businesses



SUBSCRIBER PATCH CORD

- Provides final **optical connection** in the subscriber's premises between the Optical Telecommunication Outlet [OITD/OTO] and the active equipment (Router)
- **G657A2** single-mode fiber with a small bending radius
- **Standard diameter:** 2.8mm
- **Outer jacket:** ULSZH-FR, ivory
- **Connectors:** SC-UPC or SC-APC
- **Length:** 1 to 30m

OUTDOOR OPTICAL DISTRIBUTION FRAME STREET CABINET

PM360 PASSIVE - Simple-skin street cabinet
- 2 x 19" zones
- **19" Capacity:** 2 x 28U
- **Dimensions (W x H x D):** 1,600 x 1,625 x 350mm
- **Patch cord organizers:** central zone for the dispatching of single-length 3.5m patch cords (1.6mm Ø)
- **Fastening:** to the ground via fastening points accessible from inside the cabinet + 4 hoisting points under the roof
- **Application:** Outdoor DP up to 360 subscribers in LDA

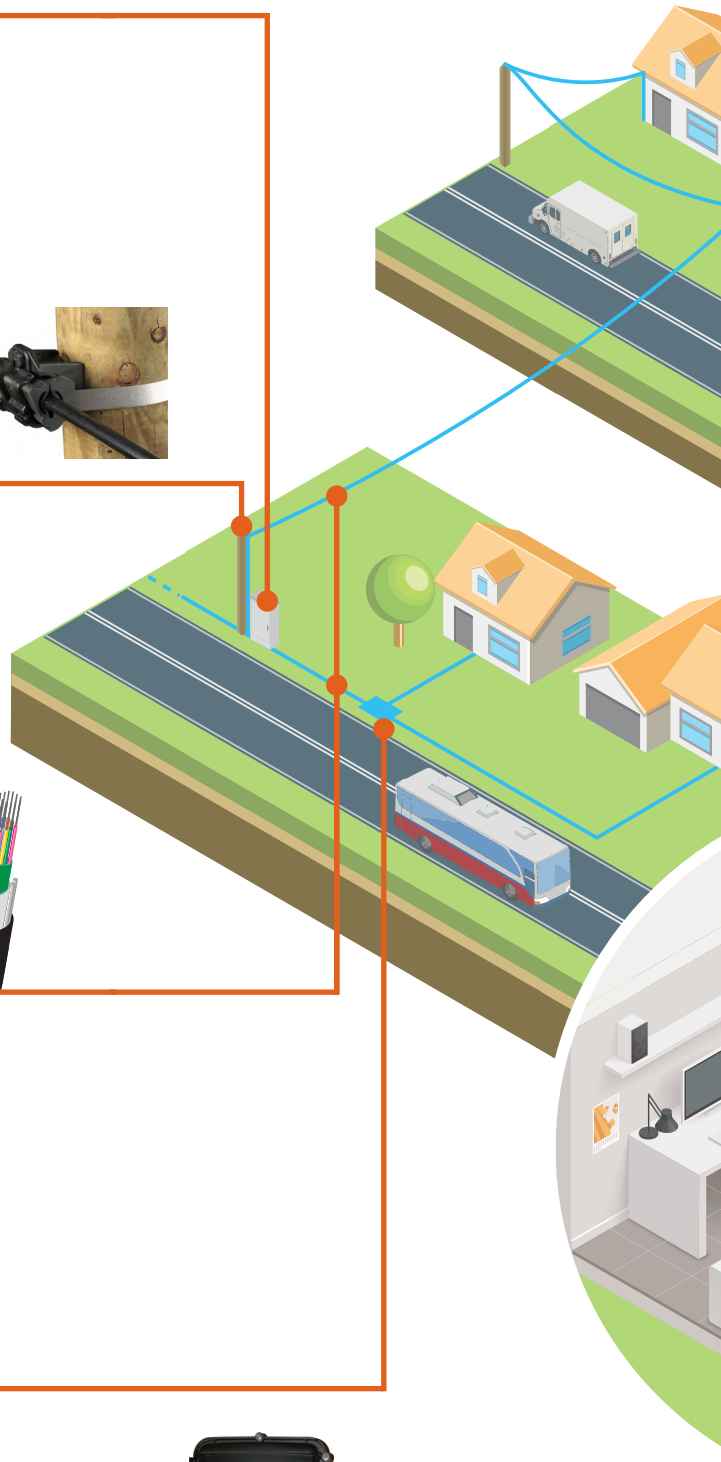
CABLE ANCHORING AND SUSPENSION CLAMPS

ANCHORING CLAMP
- **Compatible cables:** 5 to 9mm Ø for universal clamps and Ø 7 to 20mm for specific clamps
- **Material:** UV-resistant thermoplastic for universal clamps and high-strength aluminum alloy and UV-resistant thermoplastic for specific clamps
- **Lashing cable length:** 120 to 300mm for universal clamps and 400mm for specific clamps

SUSPENSION CLAMP
- **Compatible cables:** 8 to 20mm Ø
- **Material:** UV-resistant thermoplastic

OVERHEAD-UNDERGROUND MICROMODULE CABLE

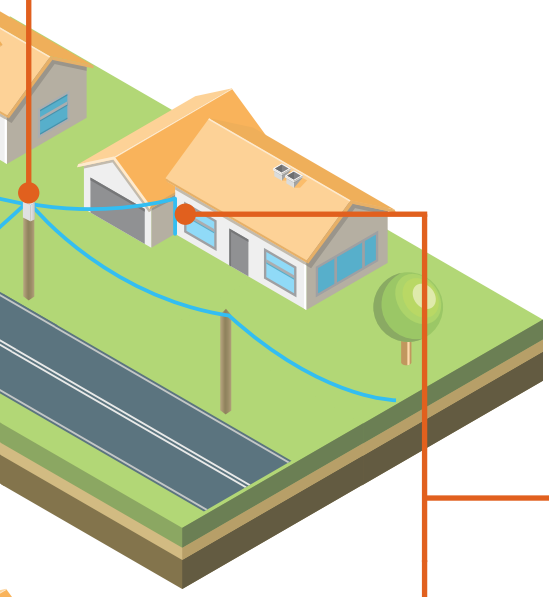
- **Dielectric micromodule** cables used for FTTH networks and long distances
- **Installation by pulling** or **carrying in air or water** in standard conduits, but also for **overhead installations** with a maximum span of 60m
- **Capacity:** 12 to 288 G652D or G657A2 optical fibers
- **Micromodule structure:** Modulus 6 (max 144 OF) or 12 (max 288 OF)
- **Diameters:** 6.5mm to 16.5mm depending on model
- **Material:** Black PEHD outer jacket



SEALED CLOSURES

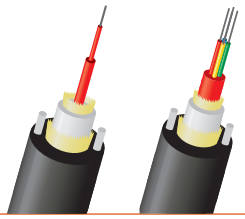
Flat Sealed Closure (FSC)
- **Ingress protection index:** IP68
- **Sealing:** mechanical
- **Up to 96 fusion** splices per stack of 4 pivoting 24-fiber trays
- **Fastening:** wall, overhead and pole mounted

Sealed Dome Closure (SDC)
- **Ingress protection index:** IP68
- **Sealing:** mechanical
- **Up to 144 fusion** splices per stack of 6 pivoting 24-fiber trays for the SDC 144, and **up to 288 fusion** splices per stack of 24 pivoting 12-fiber trays for the SDC 288
- **Fastening:** wall and pole mounted



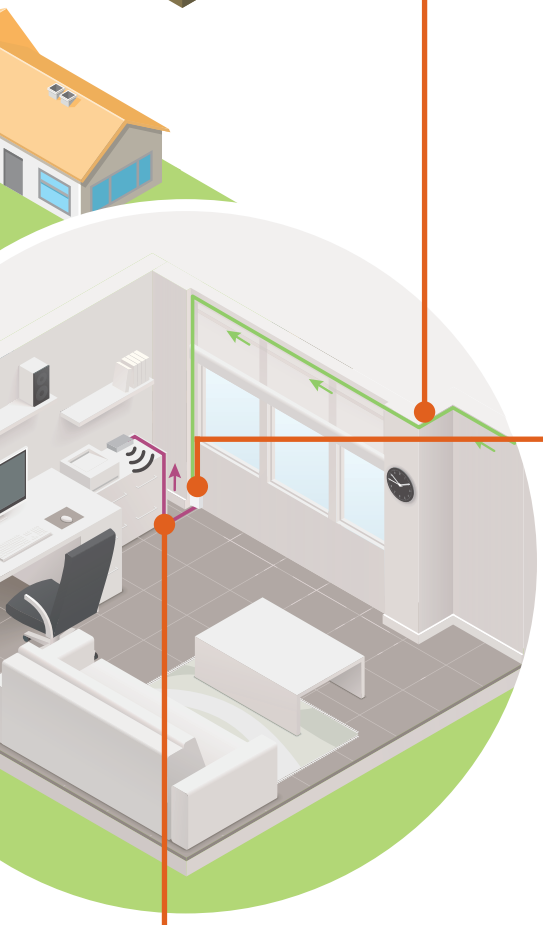
OUTDOOR OPTICAL CONNECTION POINT (OCP)

- **Node located as close as possible to dwellings** and business premises, from which final connection operations are carried out
- **Ingress protection index:** IP54/IK07
- Incoming cables in the bottom section
- Through-cabling possible
- **Fastening:** wall or pole mounted with adapter
- **Capacity:**
  - Up to 24 subscriber cables, 7mm Ø, in splicing mode
  - Up to 16 subscriber cables, 7mm Ø, in preconnectorized mode
- **PON:** 1 or 2 x 1x8 PLC splitters or 1 x 1x16 PLC splitter



OUTDOOR / INDOOR SUBSCRIBER DROP CABLE

- **Capacity:** 1, 2 or 4 G657A2 optical fibers
- **Structure:** 1 OF: 900µm / 2 and 4 OF: micromodule with 250µm fiber
- **Diameter:** Outer jacket: 6mm / inner jacket: 3mm
- **Material:** Black PE outer jacket / White LSZH-FR inner jacket – CPR Class Dca
- **Overhead installation** with a maximum span of 45m



OPTICAL INDOOR TERMINATION DEVICE [OITD] OPTICAL TELECOMMUNICATION OUTLET [OTO]

- **Optical fiber arrival point** in the subscriber's premises
- Satisfies all quality, reliability and aesthetic requirements of a home environment
- **Available in 1, 2 and 4 optical fibers**
- Compatible with the **G657A2** single-mode optical fiber with a small bending radius
- Equipped with FOLAN's **SC-APC self-protecting adapter**
- Easy to install in new and existing homes, commercial premises and businesses

SUBSCRIBER PATCH CORD AND EXTENSION

- Assure la **liaison optique finale** chez l'abonné entre la Prise Terminale Optique [DTIo/PTO] et l'équipement actif (Box)
- Fibre **monomode G657A2**, dotée d'un faible rayon de courbure
- **Diamètre standard :** 2.8 mm (cordon) et 4 mm (rallonge)
- **Gaine extérieure :** ULSZH-FR de couleur ivoire (cordon) et blanche (rallonge)
- **Connectique :** SC-UPC ou SC-APC
- **Longueur :** 1 à 30 m

OPTICAL TELECOMMUNICATION OUTLET || OTO V2.2

1 to 2 subscribers

- **Dimensions (W x H x D):** 80 x 105 x 27mm
- **Color:** White
- **Fastening:**
  - Screwed to the wall
  - Embeddable box mounted
- **Cable inputs:**
  - 3 inputs: left, bottom & rear
  - For cables ranging from 2.5 to 5mm in diameter
  - Clip Secure© or plastic cable tie fastening
- **Accepts the following connectors:** SC Simplex/LC Duplex
- **Capacity:**
  - Up to 4 x 40 or 45mm heat-shrink splices
  - 2 mechanical splices
- **Pivoting tray**

OPTICAL TELECOMMUNICATION OUTLET || OTO V5.2

1 to 2 subscribers

- **Dimensions (W x H x D):** 86 x 86 x 23mm
- **Color:** White
- **Fastening:**
  - Screwed to the wall
  - Embeddable box mounted
- **Cable entry points:**
  - 7 inputs: right high/low, left high/low, top at both ends, rear
  - For cables ranging from 2.5 to 6mm in diameter
  - Fastening by plastic cable ties
- **Accepts the following connectors:** SC Simplex
- **Capacity:**
  - Up to 2 x 40mm heat-shrink splices
  - 1 mechanical splice
- Compatible with a preconnectorized 1-OF subscriber cable with a connector directly fitted to the cable

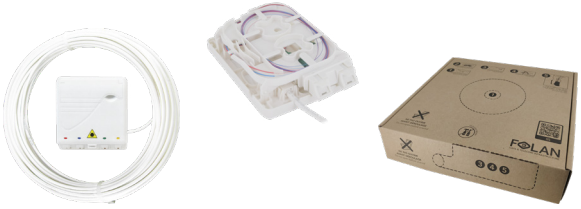
OPTICAL TELECOMMUNICATION OUTLET || OTO V6

1 to 4 subscribers

- **Dimensions (W x H x D):** 80 x 80 x 28mm
- **Color:** White
- **Fastening:**
  - Screwed or bonded to the wall
  - Embeddable box mounted
  - DIN Rail: no additional parts required
- **Cable entry points:**
  - 4 inputs: right, left, bottom & rear
  - Central fastening using quick fastener with plastic cable tie
  - For cables ranging from 3.5 to 5.2mm in diameter
- **Accepts the following connectors:** SC Simplex
- **Identification label** protected by a flap
- **Capacity:** 4 x 40mm heat-shrink splices

VERSIONS AVAILABLE

- Basic model = bare
- Pre-equipped:
  - SC-APC self-protected connectors
  - **Connectors and pigtails**
  - **Strand kit:** Optical Telecommunication Outlets can be supplied in Strand kits that are factory pre-wired using 20, 30 or 50m long CBD or CMG, 1 to 4-OF indoor subscriber drop cables.
  - **Unwinder kit:** Optical Telecommunication Outlets can be supplied in unwinder kits that are factory pre-wired using 20, 30 or 50m long CBD or CBMG, 1 to 4-OF indoor subscriber drop cables, wound onto a drum with a pulling eyelet at the end of the cable.



SEALED CLOSURES

Flat Sealed Closure (FSC) 12-96 OF

- **Dimensions (W x H x D):** 220 x 300 x 100mm
- **Sealing:** mechanical, ingress protection index IP68
- **Fastening kit:** wall, overhead, pole
- **Splicing capacity:** 96 via 4 pivoting 24-fiber trays
- **Inputs/Outputs and cable Ø:**
  - 1 oval port for 3 cables (8 to 15mm Ø) or 6 cables (4 to 8mm Ø)
  - 1 oval port for 2 cables (8 to 11mm Ø) or 4 cables (4 to 8mm Ø)
  - 1 simple port for 1 cable (6mm Ø) or 4 pigtails (2mm Ø)

Sealed Dome Closure (SDC) 12-144 OF or 12-288 OF

- **Dimensions (H x Ø):** SDC 144 - 450 x 230mm Ø | SDC288 - 480 x 260mm Ø
- **Sealing:** mechanical, ingress protection index IP68
- **Fastening kit:** wall, pole
- **Splicing capacity:**
  SDC144 - 144 via 6 pivoting 24-fiber trays
  SDC288 - 288 via 24 pivoting 12-fiber trays
- **Inputs/Outputs and cable Ø:**
  SDC144:
  - 1 oval port for 2 cables (10 to 17.5mm Ø) or 16 cables (5 to 7mm Ø)
  - 4 simple ports for 1 cable (8 to 12mm Ø) or 4 cables (5 to 7mm Ø)

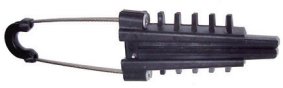
  SDC288:
  - 1 oval port for 2 cables (10 to 16mm Ø) or 2 cables (16 to 22mm Ø)
  - 2 double ports for 2 cables (10 to 17.5mm Ø) or 16 cables (5 to 7mm Ø)
  - 2 simple ports for 1 cable (8 to 12 or 12 to 17.5mm Ø) or 4 cables (5 to 7mm Ø)

OUTDOOR OPTICAL CONNECTION POINT (OCP)

- **Dimensions (W x D x H)** 260 x 105 x 320mm
- **Ingress protection index:** IP54/IK07
- Incoming cables in the bottom section
- Through-cabling possible
- **Fastening:** wall or pole mounted with adapter
- **Capacity:**
  - Up to 24 subscriber cables, 7mm Ø, in splicing mode via 2 pivoting 12-splice trays
  - Up to 16 subscriber cables, 7mm Ø, in preconnectorized mode
- **PON:** 1 or 2 x 1x8 PLC splitters or 1 x 1x16 PLC splitter
- **Cable inputs and Ø:** 2 inputs for 25mm Ø distribution cable and 1 input for 16mm Ø cable
- Coiling area for managing fiber overlengths of distribution cables passing through the box
- Compatible with **G652D and G657A2** optical fibers

OVERHEAD TELECOM ACCESSORIES

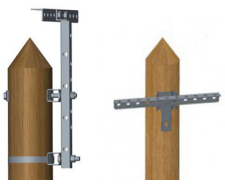
UNIVERSAL SUSPENSION CLAMPS
- Compatible with 8 to 20mm Ø cables
- Maximum span: 150 m
- Strip or bolt fastening
- UV-resistant thermoplastic material



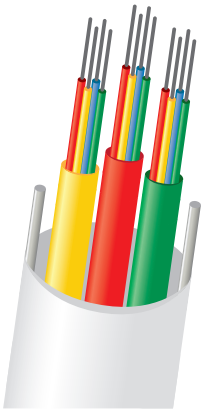
UNIVERSAL ANCHORING CLAMP
- Compatible with 5 to 9mm Ø cables
- Length: 120 to 300mm
- UV-resistant plastic

CONNECTION ANCHORING CLAMPS
- Drop cable 4-7mm Ø
- Length: 245mm
- UV-resistant thermoplastic

CONNECTION SUSPENSION CLAMPS
- Compatible with 5 to 8mm Ø cables
- Up to 50 - 70m span
- Length: 80mm
- UV-resistant thermoplastic material

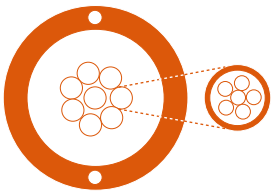


TELECOM POLE EXTENSION AND CROSSTIE
- Deployment of an optical fiber layer on a telecom pole, above the copper cable layer
- Extension qualified by Orange
- Can be installed on wood or metal poles
- Hot dip galvanized steel



RISER CABLE (CVMG)

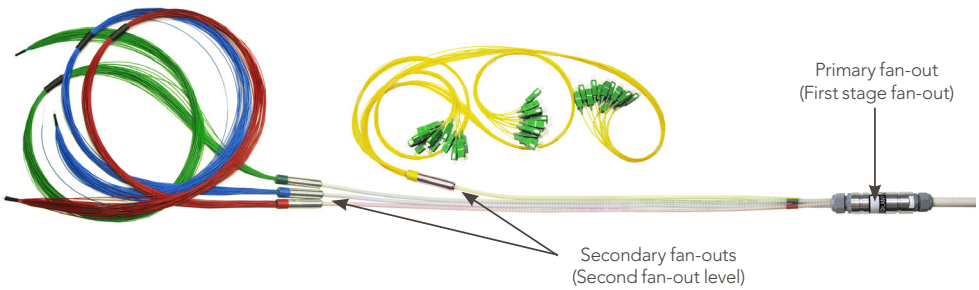
- **Permanent access cable**
- **Capacity:** 12 to 144 optical fibers
- **Micromodule structure** – Modulus of 4, 6 of 12 optical fibers
- **Diameters:** 7.5mm to 14mm depending on model
- **Material:** White LSZH – FR outer jacket – CPR Class Dca
- **G657A2 colored single-mode optical fibers**
- **Non-metallic reinforcements** incorporated in the jacket
- Markings along the cable to facilitate the location of the window creation area
- Preconnectorized **model available**



INDOOR

PRECONNECTORIZED RISER CABLE

A preconnectorized riser cable is also available:



1 PRIMARY FAN-OUT (DEC2P)

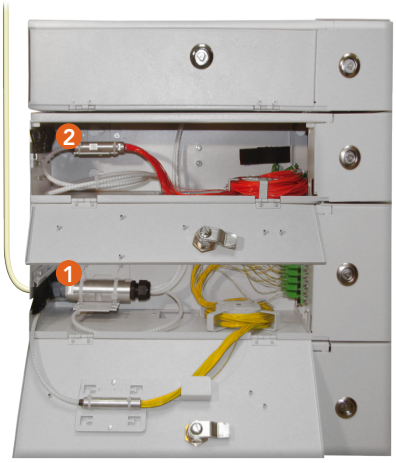
Splits cable fibers into 2 to 4 x 5mm Ø tubes, each containing up to 36 optical fibers, and directs them to the secondary fan-outs. Comprised of an aluminum body and 2 cable glands to fasten incoming and outgoing elements.

Input capacity: 14mm Ø cable maximum

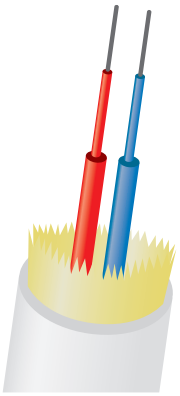
2 SECONDARY FAN-OUT (DEC4)

Used to fan out the single fibers contained in each 5mm Ø tube toward the connectors and to re-tube each fiber in a 900µm Ø jacket to allow connectors to be fitted.

Capacity: 24 or 36 fibers
Retubing: 900µm Ø



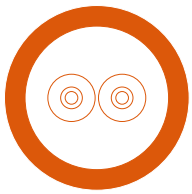
CABLES



DISTRIBUTION SUBSCRIBER DROP CABLE (CBD)

- **Capacity:** 1 or 2 x 900µm optical fibers
- **Structure:** Easy Strip
- **Diameter:** 4mm
- **G657A2** colored single-mode optical fibers (red - blue)
- Optical fibers in 900µm colored strands (red - blue)
- **Material:** White LSZH - FR outer jacket - CPR Class Dca

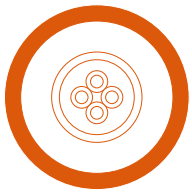
INDOOR

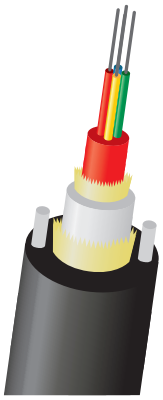


MICROMODULE SUBSCRIBER DROP CABLE (CBMG)

- **Capacity:** 2 or 4 x 250µm optical fibers
- **Structure:** micromodule
- **Diameter:** 4mm
- **G657A2** colored single-mode optical fibers (red – blue – green - yellow)
- **Red, 1.1mm diameter micromodule**
- **Material:** White LSZH - FR outer jacket – CPR Class Dca

INDOOR

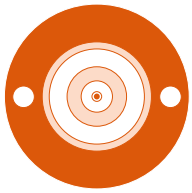




OUTDOOR / INDOOR DROP CABLES

- **Capacity:** 1, 2 or 4 optical fibers
- **Structure:** 1 OF: 900µm / Micromodule of 2 and 4 OF: 250µm
- **Diameter:** Outer jacket: 6mm / inner jacket: 3mm
- **Material:** Black PE outer jacket / White LSZH - FR inner jacket – CPR Class Dca
- **G657A2 colored single-mode optical fibers**
- **Non-metallic reinforcements** incorporated in the jacket
- **Maximum span:** 45m

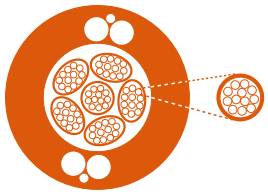
OUTDOOR & INDOOR



OVERHEAD-UNDERGROUND MICROMODULE CABLE

- **Dielectric micromodule cables**
- **Capacity:** 12 to 288 optical fibers
- **Micromodule structure** - Modulus 6 (max 144 OF) or 12 (max 288 OF) optical fibers
- **Diameters:** 6.5mm to 16.5mm depending on model
- **Material:** Black PEHD outer jacket
- **G652D** or **G657A2 colored single-mode optical fibers**
- **Non-metallic reinforcements** incorporated in the jacket
- **Installed** by pulling, blowing or carrying in water or air
- Compatible with **overhead installation** in spans up to 60m

OUTDOOR



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