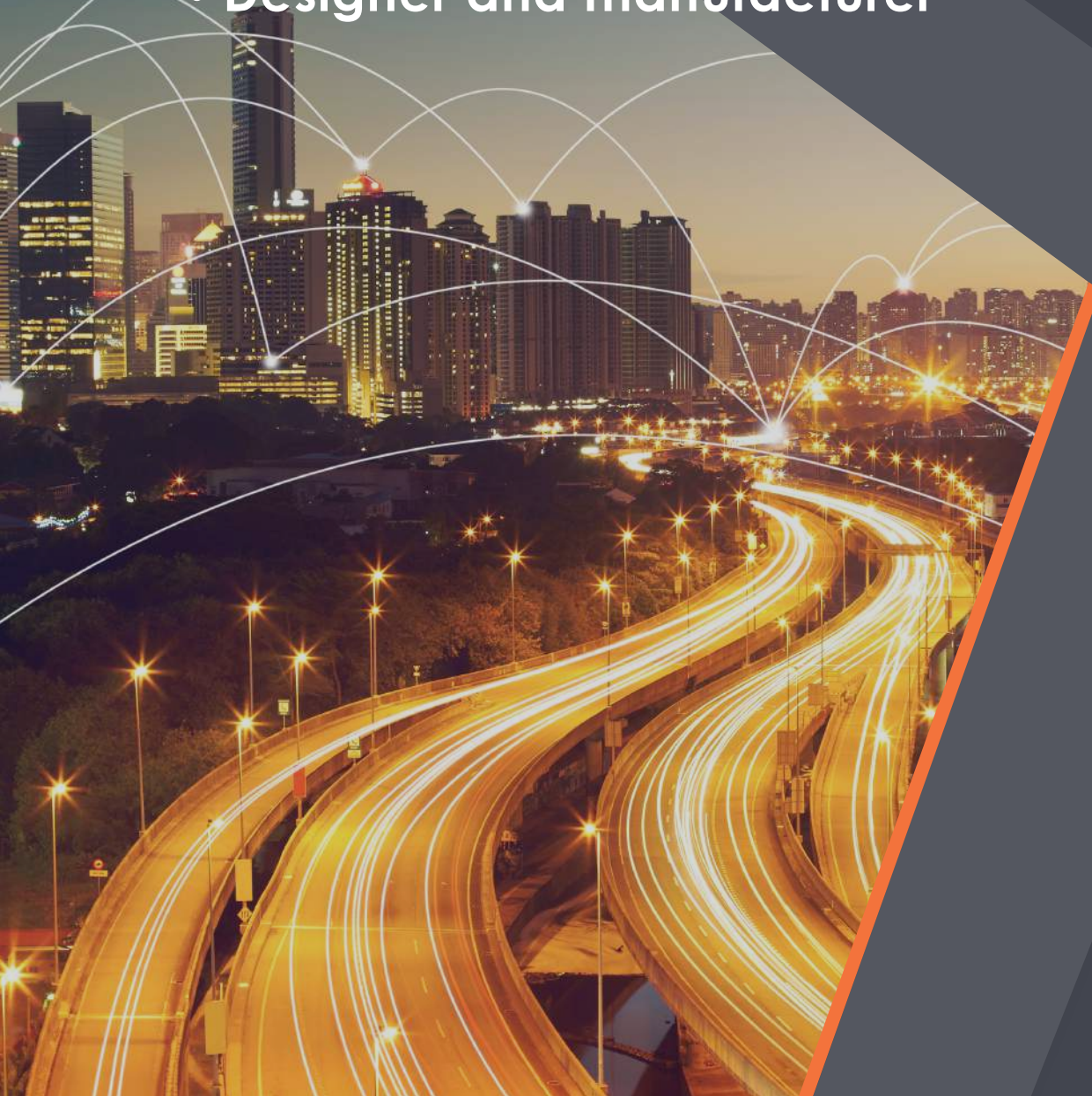


TETRAIS

CONNECT'

TELECOM solution

- Solutions distributor
- Designer and manufacturer



EDITORIAL

Leading the energy transition of telecom infrastructures is our mission.

Considering the technological revolution promised by 5G and the associated infinity of uses, TETRADIS is committed to combine both digital progress and environment.

As "smart city" is at the heart of our concerns, we do not have to forget rural and remote areas which provide a living environment ready to welcome new perspectives of development. This is made easy when digital technology manages to facilitate entrepreneurial projects and to revitalize territories, which are increasingly popular due to homeworking long term trend.

Engaged to short supply chain and circular economy, TETRADIS regularly improves its solutions portfolio in respect of eco-responsible local manufacturing.

As part of a sustainable growth approach, TETRADIS now supports your business with the most suitable energy mix. This is achieved by providing renewable components into the power supply of your sites, whether they are connected network, or located in remote areas.

The numerous territories that are transitioning to digital connectivity are at the heart of the company's strategy. TETRADIS relies on a wide range of worldwide partnerships to constantly increase your quality of service requirements.

Mario DESERABLE
CEO

TETRADIS

MOBILITY & CONNECT'

POWER

Renewable energy production solutions

CONNECT'

Deployment of FTTx networks and LAN

SECURITY

Videosurveillance and access control

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PRESENTATION

Since 2003, TETRADIS has supported you in all your Very High Speed interconnections thanks to teams committed to customer satisfaction.

TETRADIS is a French company specializing in the design, manufacturing and distribution of global solutions in telecommunications, power and security. This complementarity of activities serves mobility and connectivity to provide effective solutions adapted to the needs of our customers on the ground, included the most isolated areas.

From renewable energy supply to fiber connection networks, including cabling network and security, TETRADIS know-how is based on technical expertise and experience in the field.

Our technical skills support you throughout your project, from the feasibility study to certification, including implementation.

DISTRIBUTOR

17 000 product references 

33 500m² industrial/storage 

120 business partners 

Presence in 35 countries 

MANUFACTURER

 Made in France Production

 2 filed patents

 16 000 annual productions

 1 integrated design office

POWER

Renewable energy generation solutions

CONNECT' TELECOM

Ultra-high-speed broadband infrastructure deployment

« A company committed like those who make it up »

TETRADIS is committed to combining digital technology and environment. Concretely, this involves supporting our partners and customers in the energy transition of their telecom infrastructures by introducing all or part of renewable energy into the power supply of sites, whether they are connected to the network or isolated.

At the same time, in order to provide an answer to the environmental, societal and ethical issues that have become essential, TETRADIS has been engaged for several years in a CSR approach. Guided by this progress, a sign of sustainability and innovation, we act on a daily basis to the benefit of the environment and the well-being of our employees.

This commitment is characterized by concrete actions that each employee is keen to lead on doing daily.

COMMITMENT CSR



ENVIRONMENTAL

- Sort and recycle our waste
- Save our energies
- Produce responsibly
- Reduce the carbon footprint of our trips

SOCIAL

- We guarantee health and safety at work
- Respect labor law
- Let's develop the well-being at work approach
- Act according to the values that drive us

CONNECT' VDI
Tertiary and industrial
cabling networks

SECURITY

Videoprotection
and access control



TETRADIS SERVICES

TECHNICAL SUPPORT



TETRADIS is a recognized economic player in the fields of telecoms, IT cabling networks, security and energy. Our teams, made up of experts in these fields, offer technical support for the development of all your projects.

Our partners can provide theoretical and practical training to develop your know-how.

RENTAL



TETRADIS wishes to support you at every stage of your activity, therefore we offer a rental service. From small businesses to large groups, we will be able to meet all your needs thanks to complete and adapted offers.

Make the most of new and quality equipment with serenity thanks to a maintenance pack included in your rental offer. This service allows us to support you in all your equipment projects.

INTEGRATION



« Quality components, custom-configured and controlled...Ready to be connected. »

Through final customers, TETRADIS is offering to all installers an Integration Service. Indoor and street cabinets, optical shelves and other components are integrated, according to the needs and as required, beforehand the deployment in the field.

Fiber closures proposed through standards builders solutions' are then integrated with adapters, pigtails and splitters, thus avoiding any handling operation in the field. That is also a guarantee of quality for the customer because the components are tested and approved by our quality department, before being put in operation.

Support in the field is also possible, do not hesitate to contact the TETRADIS teams!

« Several references ... 1 single product! Guaranteed efficiency in the field. »

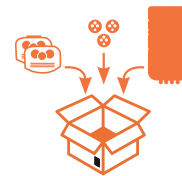
Do your teams need to assemble several components in the field to made an installation? To facilitate these operations and guarantee you an excellent level of service, we take care of the elements pre-assembly in our factory and deliver you a kit ready for your deployments.

This service facilitates your process since you receive one and the same reference gathering several products. This is possible thanks to a precise study of the customer's needs in order to anticipate and at least forecast the flows. This enables a logistic management's simplification, an inventory management's optimization as well as more responsive deployments.

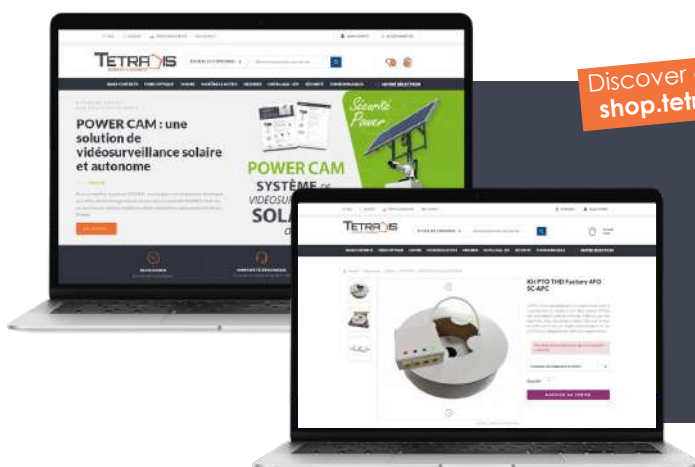
As a true partner in your deployments, we offer you the maintenance of your equipment. An employee will be dedicated to listening to issues in order to follow up your after-sales service request, and produce a quotation before sending it for repair.

- Handling of your equipment
- Estimated quote before sending (on request)
- Supervision of maintenance actions
- Return of repaired and guaranteed equipment

KITTING



MAINTENANCE



Discover our website
shop.tetradis.com !

WEBSITE

- Thousands of references
- Unlimited access to technical information
- Quick and easy quote request

DESIGN OFFICE RESEARCH & DEVELOPMENT



Innovate is providing our customers with new and useful answers to their real needs. This is part of the DNA of TETRADIS.

It is via our design office that we design and develop tailor-made solutions adapted to the demands of our customers.

Taking into account the specifications, feasibility study, paperworks' drafting, CAD translation, development of 3D virtualization, prototyping, production, customer recipe... Each moment is important to us so as to satisfy our customers needs!

QUALITY



As a manufacturer and distributor, TETRADIS is committed to providing its customers with quality products, respecting international industry standards.

Thanks to a rigorous selection of our suppliers, each product is previously and carefully tested and controlled in order to guarantee its efficiency on the field. Our distributors products are answering the CE and RoHS standards as they are tested according to the IEC standards of electronics.

TETRADIS products are tested before production release, so as to insure an accurate and efficient deployment.



REQUIREMENTS PERFORMANCE



Our products are developed and manufactured in our French factory in Saint-Quentin-Fallavier (38). The components requiring an external manufacturing operation enter the quality process adapted to the highest performance requirements of the market.

At TETRADIS, we assess the overall performance of productions and target a sustainable development objective. This is how 90% of our subcontracts are carried out within perimeter of less than 80 km. The supply chain sometimes requires more distant manufacturing without these representing more than 5% of purchases.

Because we believe that there can be no compromise on quality, we have been militating for nearly 10 years to generalize interferometric testing* of all sensitive network connections.

In order to promote our Made In France know-how, and guarantee the greatest durability of the infrastructures, we have required our connector subcontractors to carry out these tests with French equipment.

* *Interferometry is a contactless test providing accurate information about fiber extremity; token of performance and longevity of the plug.*

THE SUPPORT FOR ALL YOUR PROJECTS

Based on its experience in providing and deploying Very High Speed networks, TETRADIS offers you to move towards more mobility with its POWER offer: autonomous, innovative and more environmentally friendly energy production solutions to supply isolated sites or provide decarbonized energy.

POWER SOLUTION

Specialist in Very High Speed networks, TETRADIS offers a complete FTTH solution to support communities and operators in fiber optic deployment. Our range includes all the necessary products, from the outdoor street cabinet to the underground fiber closure, but also component as splicing shelves, cables and outdoor boxes.

TELECOM SOLUTION

Intended for a tertiary use (LAN cabling networks and Datacenter), the products proposed in the VDI solution will allow the telecom installer or the electrician to link the final customer to the multiple network connections needed, telephony, internet or other. RJ45 plugs, splicing shelf, electric powerstrips, cabinets and indoor computer cases which are proposed perfectly fit within industrial and tertiary deployment.

LAN DATACENTER SOLUTION

Through this solution, a private company, a public establishment or an installer would have all the video protection equipment, access control and intrusion detection to equip buildings.

SECURITY SOLUTION



POWER SOLUTIONS

TETRADIS develops high-performance renewable energy solutions, autonomous or complementary to an electrical subscription, to supply all your sites. Associated with reliable and economical products, our TETRADIS POWER experts will accompany you throughout your project, from the sizing study to the operation of the solution, including installation and commissioning.



MODULAR

Modular, scalable, plug & play and quick to install



RELIABLE

Redundancy of sources, no service interruption



CONNECTED AND SMART

Hybrid+ control system and remote supervision



ADAPTED

Solar, wind, battery storage, generator, fuel cell



1



2

HYBRID SOLUTIONS

SHP-Unit Smart Hybrid Power Unit

The SHP-Unit is an autonomous and hybrid energy production solution intended to ensure the production of electricity for isolated sites.

Application : Not connected to the network "Off-grid"

Power : 0,6 to 9 kW

SOLAR SOLUTIONS

SWU and LP2S range

100% solar autonomous energy production solutions:

- SWU : Solar Wind Units : repeaters, LTE, site transmission
- Small Power Solar Terminal (BS2P): IoT networks, video surveillance

Application : Not connected to the network « Off-grid »

Power : 5 to 800 W



POWER INNOVATION

« innovative and efficient energy solutions for telecommunications networks »

RELIABLE AND ECONOMICAL ENERGY SOLUTIONS

Find all the solutions of autonomous energy production: hybrid or 100% solar, we offer our know-how to meet the problems of all your isolated sites (off-grid) or connected to a low quality electrical network (bad-grid).

BENEFITS

- Lower Total Cost of Ownership
- Reduced fuel consumption and maintenance
- Secure sites against cuts, theft and fraud
- Reduces CO2 emissions
- Supervised and remotely controlled energy production and consumption



SELF-CONSUMPTION SOLUTIONS

The self-consumption solar shade allows you to produce renewable electricity in order to control and cover part of your energy needs. It contributes to reduce CO2 emissions and feeds your CSR approach.

Application : Connected to the electrical grid

Power : 3 kWp module adaptable to the needs

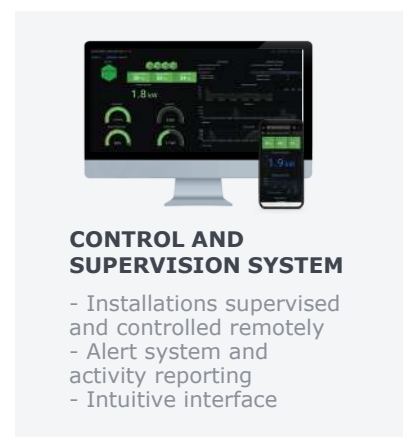


POWER BACKUP SOLUTIONS

Designed to secure an existing energy source, this solution allows to stabilize and make reliable the energy. The solution is made of photovoltaic panels, batteries and a generator.

Application: Unstable network « bad-grid »

Power: adapted



CONTROL AND SUPERVISION SYSTEM

- Installations supervised and controlled remotely
- Alert system and activity reporting
- Intuitive interface

TAILOR-MADE SOLUTIONS

Tailored to customer needs and specifications

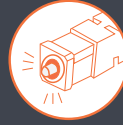


**TETRADIS
SOLUTIONS**

TETRADIS has its own Research & Development department where the teams design and develop solutions that perfectly meet the needs of the market.

TETRADIS offers you its own range of high quality products, manufactured in France. Each component is designed to optimise the deployment of your networks and is assembled in our French factories.

**Products
Made in
France**



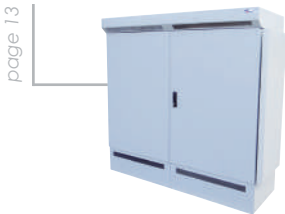
**Pigtails and
adapters
Grade B1
certified**

Easily identify Made in France and Grade B1 products with these pictograms at the top of the page.

MODUL'O HD

Street Cabinet

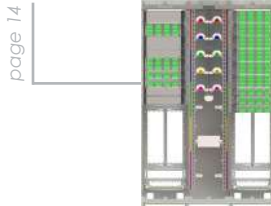
The evolving and modular street cabinet with a bio-climatic concept designed by TETRADIS.



TDO CABINET

Indoor Cabinet

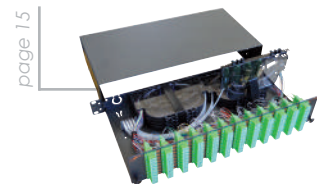
The TDO Optical Distribution Terminal indoor cabinet is a modular evolving container.



TOM

Modular Splicing Shelf

Range of sliding optical drawers, with a 10° tiltable drawer core. Available for splicing/patching, couplers or fiber loop.



TOP

Pivoting Optical Shelves

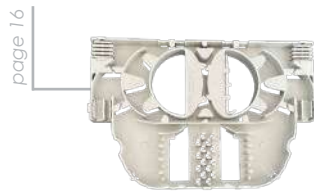
Range of pivoting optical shelves from 24 to 144 connections. Available in left or right hand swivel.



TST24 SPLICE TRAY

Small Rail Din Optical Cabinet

An economical and compact cassette that can be integrated into all TETRADIS products with trays.



TOP-C

Connect'Pivoting Optical Drawer

TOP-C range which includes all Connect' Swivel Optical Drawers.



COS

Secure Optical Box

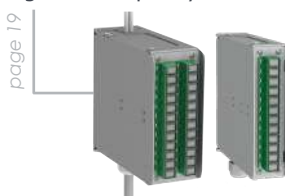
The secure optical box is optimal for industrial or building footprint applications with 2 separate compartments.



COD / COD-S

Optical Distribution Box

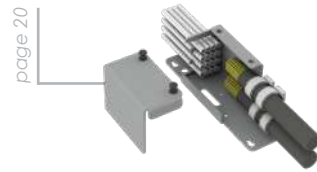
A range of Rail Din mounted optical enclosures with a small footprint and high fibre capacity.



T-FANO

Optical fan-out box

Range of universal metal breakout boxes. 4 different models to suit multiple configurations.





Optical sharing point in a street cabinet

MODUL'O HD RANGE

The outdoor evolutive cabinet offers evolutivity and modularity.

- A **Bio Climatic Concept** cabinet...
 - A cabinet with a **high functional capacity**...
 - A cabinet with **Intelligent Energy Management**...
- All this for many applications**

In PM configuration, this street cabinet meets French committee ARCEP specifications with 3 distinct functional zones:

- Right LAT part: Subscribers' rear zone
- Left LAT part: operator sharing point
- Central part: Overlength management zone

THE BASIC KIT INCLUDES

- 1 body block
- 1 double-walled left front door (115° opening)
- 1 double-walled right front door (115° opening) (5-point door security)
- 2 removable single skin LAT panels
- 1 fixed single skin rear panel (removable, consult us)
- 1 32 cm high base with 6 removable hatches (2 with ventilation grids)
- 1 removable roof with 2 grid openings for ventilation
- 2 pairs of 31U 19» front uprights (2 pairs of rear uprights, please consult us)
- 1 plate with 10 cable entries (with 3 PG21 and 7 PG16)
- 1 plate with 4 cable entries (with 1 PG21 and 3 PG16)
- 6 pre-drilled cable entry plates (to be drilled to size)
- 2 removable and repositionable parts for fixing 1 to 13 cables (depending on cable size)
- 2 removable and replaceable filters from the front on the inside of the base

FEATURES

- Composition of the basic enclosure
- IP55 double skinned modular enclosure with lifting eye for easy handling
- Mechanical assembly made up of removable elements delivered as standard with base and roof
- Perfect accessibility at all points of the Modul'O HD
- 2 reversible front doors for opening by handle on the left or right (standard: lock on right door)
- Side panels removable from the inside (removable rear panel optional)
- IK09 structure completely removable for elements exchange in case of accidental damage

CONSTRUCTION - MATERIALS

- The Modul'O HD is produced from :
- Treated steel for the body, roof, doors and panels
 - Treated steel (or 304L stainless steel, on request) for the base
 - All coated with a high performance RAL 7035 paint to prevent any deterioration due to humidity and salt projections

SPECIAL FEATURES

- The handle can be positioned on the left door on request, please contact us
- Your street cabinet can be delivered fully pre-equipped according to your needs on request
- Other cabinet colours on request

PM Passive Modul'O HD 2x31U double skin + scalable patchcord management - RAL7035	RCAB-48-240001
PM Active double skin in street cabinet - Modul'O HD 2x31U scalable	Contact us



CAPACITY
31, 62 ou 93U
according to application



APPLICATION
Perfect for telecom
and FTTH applications
applications



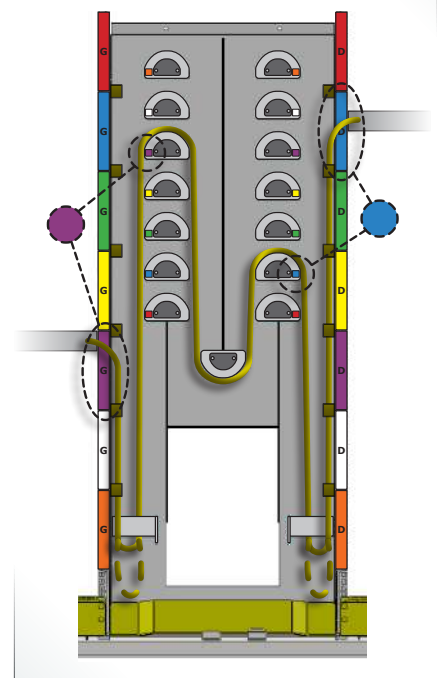
DIMENSIONS (mm)
H : 1958 x W 2032 x D 750
(Ground surface: W 2018 x D 662)
Weight : ≈350 kg (empty)

TETRADIS
CONNECT
MODUL'O HD

TETRADIS



Patchcord illustration
supplied with street cabinet





TDO Interior Optical Cabinet

New "M" brewing

OPTICAL CABINET RANGE

The Indoor TDO Cabinet, Optical Distribution Terminal is a scalable and modular container.

In a few points, its main advantages are the following:

- **A reduced footprint** compared to other solutions on the market.
- **A multitude of possible configurations** thanks to its modularity.
- **Quick assembly:** the rack is delivered in 3 pre-assembled modules.
- **Easy to use** equipment

THE BASIC KIT INCLUDES SRO Version

- 2 x 42U 19" modules
- 1 central patchcord management module
- 1 set of screws and bolts

FEATURES

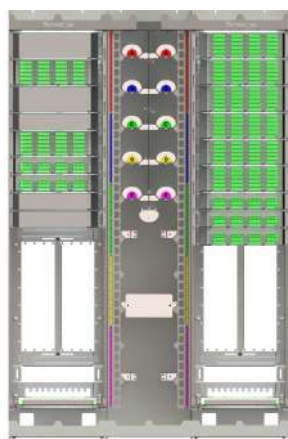
- Steel cabinet RAL7035 (other optional RAL)
- Splitter support plate pre-mounted on each 19" module
- 11 drums for an "M" brewing
- Identification of areas by colour
- Identification of the U's by numbering
- Secure patchcord management rings
- Applications: Optical Sub-dividers / Sharing Points (typical in shelters)

CAPACITIES

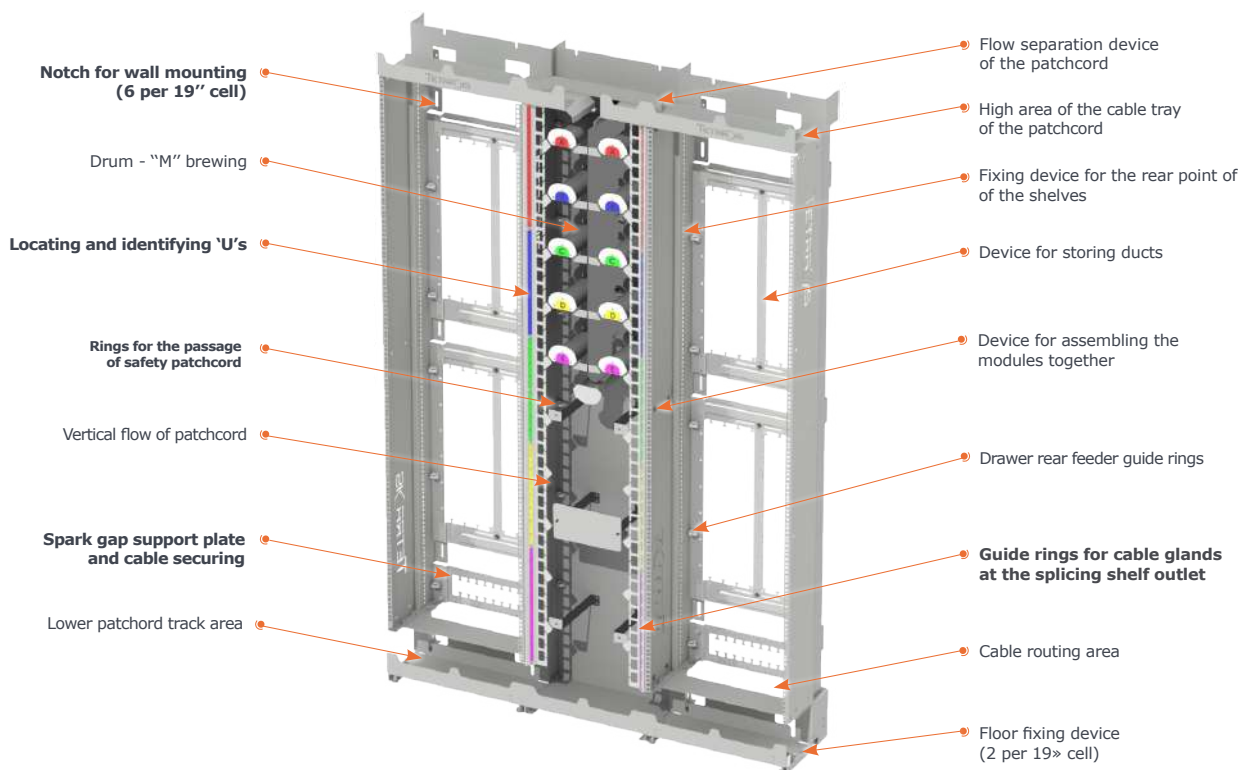
- Up to 800 subscribers
- Up to 10 cables or 8 splitters per 19" cell in low or high input depending on the need, possibility of adding an additional board as an option

DIMENSIONS

- H 2200 x W 1400 x D 300 mm
- Weight of the 19" cell: approx. 35kg each / Weight of the jumper management module: approx. 38kg



TDO Cabinet - Unitary patching module (A) 42U/19" - H42UxW19"xP300	RCAB-37-100100A
TDO Cabinet - Unitary module (C) for central coiling for application. SRO	RCAB-37-100100C
TDO Cabinet - Unitary module (B) for right-hand side coiling for application. NRO	RCAB-37-100100D
TDO Cabinet - Set of 3 appli. mod. SRO 42U/19" - 19" Lov. 19" (ACA) - H42UxW1500xD300	RCAB-37-100200C
TDO Cabinet - Set of 2 appli. mod. NRO 42U/19" - 19" Lov. D (AB) - H42UxW800xD300	RCAB-37-100210D





Sliding splicing shelf

TOM RANGE

The TOM range includes all sliding modular optical shelves designed and manufactured by TETRADIS. The core of the shelf (front panel and adapters, trays coiling/splicing cassette and cable inlet) can be tilted by 10°.

FEATURES

- Optical shelf 1, 1.5, 2 or 3U - 19" or sliding ETSI with interchangeable front panel
- Mounting on 19" or ETSI posts, from the front or the back, thanks to the adaptive brackets reversible
- Depth-adjustable brackets with 50 mm pitch ±15 mm (in 19") and 50 mm pitch (in ETSI)
- Can also be mounted on any support in a wall position
- Connections: multimode or singlemode - Colour black anthracite sanded - 200 SW 306 F
- G652D compatible, on request

SPECIAL FEATURES

- Wide variety of single or multi-mode connectors allowed
- Supplied pre-equipped with cassettes, fittings and pigtails or PLC or WDM couplers

DIMENSIONS (mm)

- Height (depending on version): 43.5 (1U) - 83.5 (2U)
- Width 430 (without bracket) x Depth 229
- Width with 19" brackets: 474 - Width with ETSI brackets: 524
- Empty weight: Approx. 3.1 kg (1U), 3.6 kg (2U)

TOM - Splicing/Patching - Singlemode

Optical shelf TOM - 1U 19"/ETSI - éq. SM 9/125 12 adapt. & pigtail. ST	WAAG10-12-012012
Optical shelf TOM - 1U 19"/ETSI - éq. SM 9/125 24 adapt. & pigtail. ST	WAAM10-12-024024
Optical shelf TOM - 1U 19"/ETSI - éq. SM 9/125 12 adapt. & pigtail. SC-APC	WAAH10-24-012012
Optical shelf TOM - 1U 19"/ETSI - éq. SM 9/125 24 adapt. & pigtail. SC-APC	WAAN10-24-024024
Optical shelf TOM - 1U 19"/ETSI - éq. SM 9/125 24 adapt. Dx & 48 pig. SC-APC	WAAO10-24-024048
TOM 2U - 19"/ETSI - equipped 96 adapters and 96 pigtails B1 9/125 SC-APC	WABD10-24-096096

TOM - Splicing/Patching - Mixed Singlemode/Multimode

TOM - 1U 19"/ETSI - 24 SC Dx - equipped 12 adapt. & 24 pigtail. 9/125 SC-UPC + 12 adapt. & 24 pigtail. SC OM3	WAAO23-20-024048
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TOM - PLC Splitter

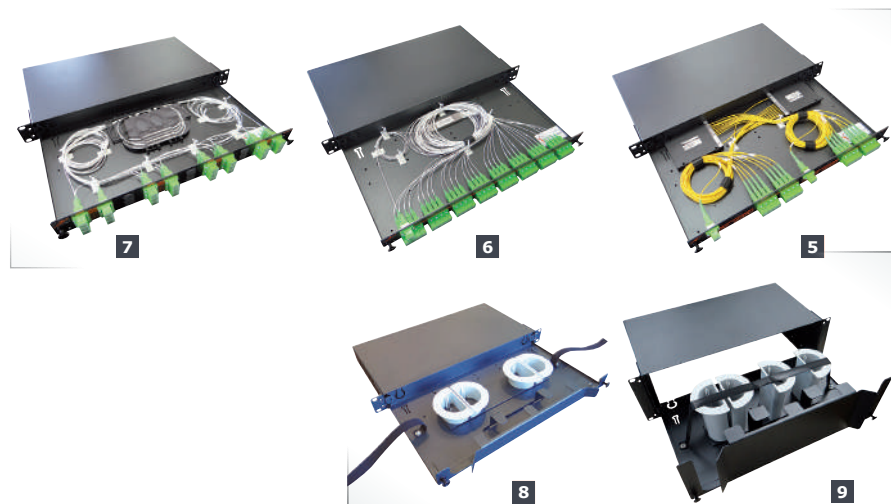
TOM - 1U 19"/ETSI - equipped 1 PLC 1:32 pre-co. SC-APC	WADB05-24-021032
TOM - 1U 19"/ETSI - equipped 4 PLC 2:4 pre-co. SC-APC	WADA10-24-042004
TOM - 1.5U 19"/ETSI - equipped 2 PLC 1:32 pre-co. SC-APC	WADB11-24-021032

TOM - WDM Splitter

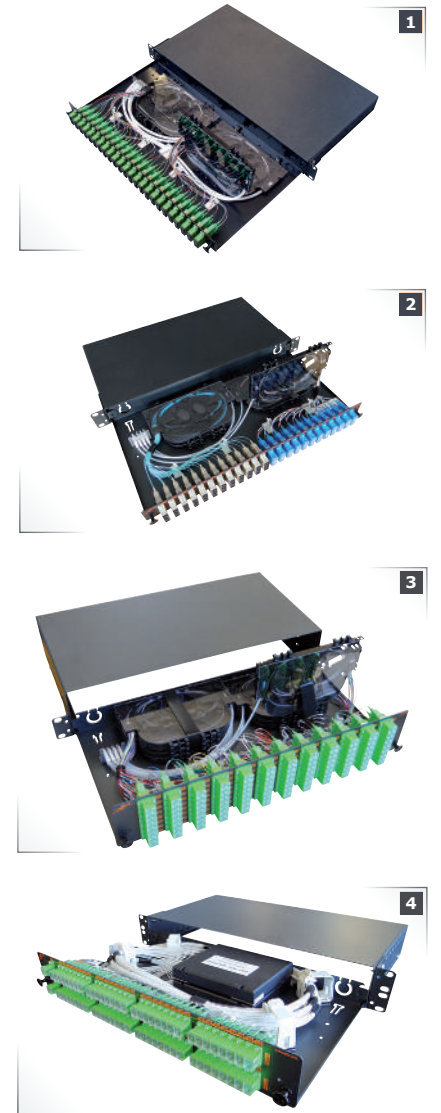
TOM - 1U 19"/ETSI - equipped 2 DEMUX WDM 1:8 pre-co. SC-APC	WAEA11-24-021108
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TOM for coiling

TOM 1U 19"/ETSI for coiling	RTST-52-113000
TOM 3U 19"/ETSI for coiling	RTST-52-113020



TETRADIS CONNECT TOM



Also available in hybrid fiber optic / copper RJ45 version



RESORPTION CAPACITY

TOM 1U for coiling :

- up to 60 m of Ø2 mm patchcords
- up to 30 m of Ø3 mm patchcords

TOM 3U for coiling :

- up to 180 m of Ø2 mm patchcords
- up to 90 m of Ø3 mm patchcords



Rotating Splicing Shelf

TOP RANGE

The TOP range includes all the Rotating Splicing Shelves designed and realized by TETRADIS.

- Splicing shelf 19" (or ETSI on request) rotating on left (or right) according to the version
- Fixation on amounts 19" (or ETSI), from the front (or from the back on request)
- Connectors : multimode or singlemode
- Accepted adapters : SC-APC, SC-UPC, SC-PC, LC dx
- G652D compatible, on request
- Perfect accessibility to the front panel • Steel design / Grey RAL 7035 colour

SPlicing/PATCHING

TOP 1U equipped with 24 or 36 adapters and pigtails (L or R)

SPECIAL FEATURES

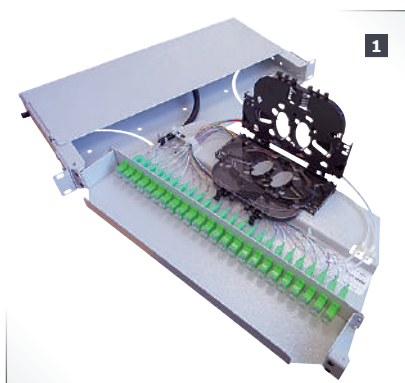
- 1U optical shelf anti-rodent
- Delivered pre-equipped with 12 FO trays, qualified adapters (T) installed and pigtails numbered, organised, connected to adapters, unsheathed and coiled in trays, ready to be spliced
- Capacity: Up to 36 ports for SC Simplex connectors

DIMENSIONS

H 43 (1U) x W 440 (without bracket) x D 247.5 (23 mm at the front of the 19" uprights)
Width with 19" brackets: 486 / Empty weight: approx. 4 kg

TOP 1U 24 SC L Pivot eq. 24 adapt. & 24 pigtails Grade B1 9/125 SC-APC	WACC10-24-024024	1
TOP 1U 24 SC R Pivot eq. 24 adapt. & 24 pigtails Grade B1 9/125 SC-APC	WACD10-24-024024	
TOP 1U 36 SC L Pivot eq. 36 adapt. & 36 pigtails Grade B1 9/125 SC-APC	WACA10-24-036036	
TOP 1U 36 SC R Pivot eq. 36 adapt. & 36 pigtails Grade B1 9/125 SC-APC	WACB10-24-036036	

>>> Replace 24 by 22 for the SC-UPC version, other configurations, consult us



PLC SPLITTER

TOP 3U equipped with 4 PLC splitters 1:32 or 2x1:64 (L or R)

SPECIAL FEATURES

- 3U optical shelf • Perfect accessibility to the rear area when opened to 135°
- Delivered pre-equipped with a 12 FO trays, qualified (T) adapters installed (SC-APC) and PLC splitters (1:32 or 1:64 depending on version)
- Capacity : Up to 128 ports for SC Simplex connectors

DIMENSIONS

H 132 (3U) x W 481(19") x D 248 (223 mm at the front of the 19" uprights and 225 mm at the back)
Empty weight : approx. 4.3 kg

TOP 3U 128 SC R Pivot eq. 128 adapt. SC/APC & 4 PLC 1:32, 9/125 G657	WAEB11-24-041032	
TOP 3U 128 SC R Pivot eq. 128 adapt. SC/APC & 2 PLC 1:64, 9/125 G657	WAEB11-24-021064	
TOP 3U 128 SC R Pivot eq. 128 adapt. SC/APC & 1 PLC 1:128, 9/125 G657	WAEA11-24-011128	2

>>> For other configurations, contact us



TST24 TRAY

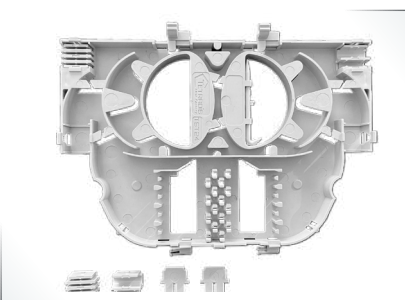
FIBER OPTICAL ACCESSORY RANGE

Economical and compact, the TST24 tray allows to manage 24 splices on a single tray. Find it in all TETRADIS products.

FEATURES

- 24 FO location
- RAL 7038 colour
- Reduced footprint
- Dimensions : W 160 x D 105.75 x H 14
- Possible identification of the tray with a PLIO SNAP
- Stylus and attachment for smouvs management
- Pigtails holders or modular sheaths for any position as required

Set of 5 trays 24 FO TST24 & articulation system (without cover)	RIMT-00-000120
Set of 5 covers for K7 24 FO TST24 - PETG 1mm	RIMT-00-000121





Connect' Rotating Splicing Shelf

TOP-C RANGE

The TOP-C range includes all the Connect' Rotating Splicing Shelf designed and realized by TETRADIS.

- Splicing shelf 19" 1 to 3U rotating left or right according to the version
- SC simplex footprints compatible with : SC-APC, SC-UPC, LC-APC dx
- Also available as an option: Full colour-coded splicing shelf labelling
- Design in corrosion resistant steel
- Finish: Epoxy paint
- Colour beige RAL9002 Fine texture (other colours and textures on request)

SPlicing/PATCHING

TOP-C 2U equipped 72 adapters and pigtails / TOP-C 3U equipped 144 adapters and pigtails (L or R)

SPECIAL FEATURES

- Also available as an option: front door to protect the adapters and support for identification
- 2 or 3U splicing shelf 19" Left pivot (or right depending on version)
- 2U capacity : up to 72 ports / 3U : up to 144 ports for simplex SC connection
- 20 mm bending radius respected
- Splicing shelf opening at 117°
- Optional 108° door opening

BASIC KIT

- The fully assembled splicing shelf
- Pre-equipped with :
 - 72 or 144 adapters SC-APC/SC-APC simplex green singlemode (depending on version)
 - 72 or 144 pigtails SC-APC G657 Grade B1 coiled and stored awaiting fusion (depending on version)
 - Several guidance kits/organisation of mounted fibers
 - Screw set (containing cage nuts, M6x16 screws and M6 butterfly screws)

DIMENSIONS (mm)

- TOP 2U : H 88 (2U) x W 482.6 x D 265 / Weight empty : approx. 2.5 kg
- TOP 3U : H 132 (3U) x W 482.9 x D 265 / Weight empty : approx. 3.0 kg

Shelf - TOP-C 2U/19" 72SC L Pivot - empty (without coiling acc./adapt./pigtail/tray)	WAJEX0-00-000000
Shelf - TOP-C 2U/19" 72SC Pivot G eq. 72 adapt. SC-APC (without tray)	WAJE05-24-072000
Shelf - TOP-C 2U/19" 72SC L eq. 72R. & 72P. Grade B1 G657A2 SC-APC (3 trays)	WAJE10-24-072072 1
Shelf - TOP-C 3U/19" 144SC L Pivot - empty (without coiling acc./adapt./pigtail/tray)	WAJIX0-00-000000
Shelf - TOP-C 3U/19" 144SC L eq. 96R. & 96P. Grade B1 G657A2 SC-APC (4 trays)	WAJI10-24-096096
Shelf - TOP-C 3U/19" 144SC L eq. 144R. & 144P. Grade B1 G657A2 SC-APC (6 trays)	WAJI10-24-144144 2

>>> For all other configurations, left/right pivot or different connectors, please contact us.

PLC SPLITTER

TOP-C 1U equipped with 1 PLC splitter 1:64 / TOP-C 2U equipped with 1 PLC splitter 1:128 (L or R)

SPECIAL FEATURES

- 1U to 2U 19" splicing shelf, right pivot
- 15 mm bending radius respected
- 105° opening of the splicing shelf

BASIC KIT

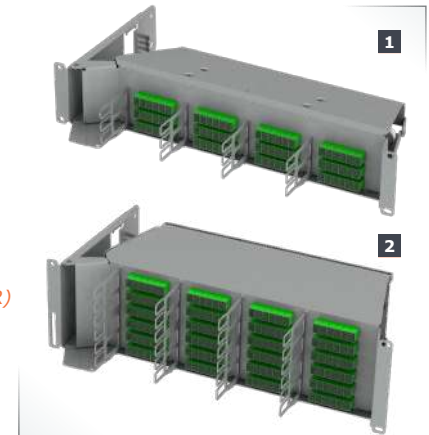
- The fully assembled 1U splicing shelf
- Pre-equipped with :
 - 1 pre-connected 1:64 splitter in SC-APC
 - 64 SC-APC adapters TETRADIS qualified
 - Several guidance kits/organisation of mounted fibers
 - Screw set (containing cage nuts, M6x16 screws and M6 butterfly screws)

DIMENSIONS (mm)

- TOP 1U : H 43.5 x W 482.9 x D 265 / Empty weight : approx. 2.0 kg
- TOP 2U : H 88 (2U) x W 482.9 x D 265 / Empty weight : approx. 2.5 kg

TOP-C 1U 64 SC R Pivot eq. 64 adapt. SC/APC & 1 PLC 1:64, 9/125 G657	WAEM11-24-011064 3
TOP-C 2U 128 SC R Pivot eq. 128 adapt. SC/APC & 1 PLC 1:128, 9/125 G657	WA EY11-24-011128 4

TETRADIS CONNECT' TOP-C

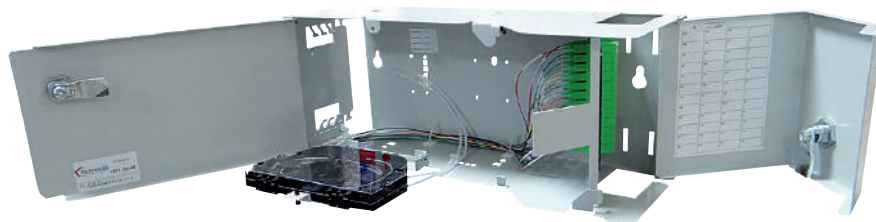




Secure Optical Box

COS RANGE

The COS is perfectly suited for industrial or building applications. **These 2 separate compartments can be locked with two different keys**, making the patchcord part accessible independently of the splicing part.



BASIC KIT CONTAINS

- 1 body (to fix on the wall)
- 1 lockable right door (with 1/4 turn or lock depending on version)
- 1 lockable left door (with 1/4 turn or lock depending on version)
- 1 articable cassette support tray
- 1 hinged support plate for adapters

FEATURES

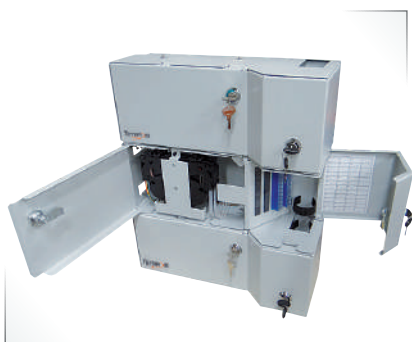
- Metal box with front panel, can be secured according to the connection system
- Wall fixation
- Can be fixed to each other
- The protection of the box can be enhanced by adding an anti-gravity kit
- Connectivity : multimode or monomode
- G652D compatible, on request
- 15/10th steel
- Colour black anthracite sanded - 200 SW 306 F

CAPACITY

- Up to 48 adapters SC simplex (or ST/FC on request)
- Up to 48 pigtailed Mono. Grade B1 oo Multimode
- Up to 4 12FO trays (up to 12 fusion splices per tray)
- 1 to 2 cables in vertical passage
- 1 cable entering from the left of the box from the top or bottom

DIMENSIONS (mm)

- H 170 x W 438 x D 152 (122)
- Width with right door open: 600
- Width x Depth, with left door open: 722 x 410
- Empty weight: approx. 3.9 kg



COS - empty 1

COS - Door plate 48 SCsx adapters - without tray - 1/4 turn	RTST-55-104820
COS - Door plate 48 SCsx adapters - without tray - 2 locks + key	RTST-55-204820

COS - P/P - patching/patching 2

Box COS P/P - equipped XX adapters 9/125 SC-PC	WBAA05-20-0 XX 000
Box COS P/P - equipped XX adapters 9/125 SC-APC	WBAA05-24-0 XX 000
Box COS P/P- S - equipped XX adapters 9/125 SC-APC + key	WBAB05-24-0 XX 000
Box COS P/P- S x2 -GSJ - equipped XX adapters 9/125 S LC-PC	WBAB05-80-0 XX 000

COS - S/P - splicing/patching 3

Box COS S/P - equipped XX adapt. & YY pigtailed Grade B1 9/125 SC-APC	WBAA10-24-0 XX 0 YY
Box COS S/P- S - eq. XX adapt.& YY pigt. Grade B1 9/125 SC-UPC + key	WBAB10-22-0 XX 0 YY
Box COS S/P- S - eq. XX adapt.& YY pigt. Grade B1 9/125 SC-APC + key	WBAB10-24-0 XX 0 YY
Box COS S/P- S - equipped XX dx adapt. & YY pigt. 50/125 OM3 LC + key	WBAB03-80-0 XX 0 YY

>>> Replace **XX** by the number of adapters required (06, 12, 16, 24, 32, 40, 44 ou 48)
 >>> Replace **YY** by the number of pigtailed required (06, 12, 16, 24, 32, 40, 44 ou 48)
 >>> **S** = **Secure** (delivered with 2 locks mounted + keys)



Optical Box on DIN Rail

COD RANGE

The COD is an optical box designed for DIN rail mounting. It has been optimised to accommodate a high fiber capacity in a small footprint.

FEATURES

- Design in grey painted steel RAL7035
- DIN rail mounting in perpendicular 1 (parallel or flat on request)
- Connections: multimode or singlemode
- Accepted adapters : SC-APC, SC-UPC, SC-PC, LC dx
- Fitting screws supplied with adapters in pre-equipped version
- Fast installation : TETRADIS offers you a complete service to optimise your installation time
- Easy access to the inner area of the enclosure when the door is opened to 141°.
- Box closure with M3 Phillips screw
- Inner bending radius of 25 mm fibers respected
- G652D compatible

COD

CAPACITY

- Up to 24 input ports for SC Simplex connectivity
- Up to 24 45 mm smouv splices
- Up to 2 x 11mm diameter cables (1 from below and 1 from above)
- Up to 4 x 5mm diameter sheaths (2 from above and 2 from below)

SPECIAL FEATURES

The COD has also been designed to allow the management of a 72FO cable on 3 consecutive 24FO boxes. The cable arrives at the bottom of the first cabinet, where the first 2 12FO micro ducts corresponding to the first 24 fibres are managed.

The 4 other 12FO micro-sheaths are routed through 2 flexible sheaths of 5 mm diameter at a rate of 2 micro-sheaths per flexible sheath Ø5 mm (as illustrated opposite).

DIMENSIONS (mm)

- H 135 x W 56 x D 152 (excluding connectors)
- Empty weight : approx. 1,2 kg

COD - Front panel 24 SC sx - naked	RTST-56-100010
COD - Front panel 24 SC sx - equipped with 24 adapters SC-APC	WBEN10-24-024000
COD - Front panel 24 SC sx - equipped with 24 adapters and 24 pigtails SC-APC	WBEN10-24-024024 1
COD - Front panel 24 SC sx - equipped with 24 adapters and 24 pigtails SC-UPC	WBEN10-22-024024
COD - Front panel 24 SC sx - equipped with 12 adapters dx et 24 pigtails LC-UPC + 12 obturators	WBEN10-82-006012 2

COD-S

The COD-S, similar to the COD, is a more compact DIN-rail mounted optical enclosure than the conventional version, suitable for a requirement of 12 adapters. It features new breakable metal shutters, designed to avoid the need for additional components.

CAPACITY

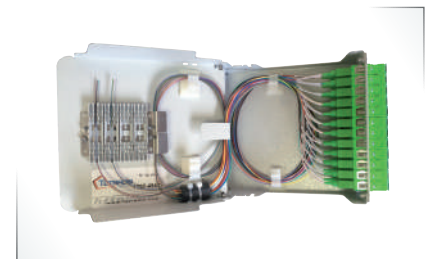
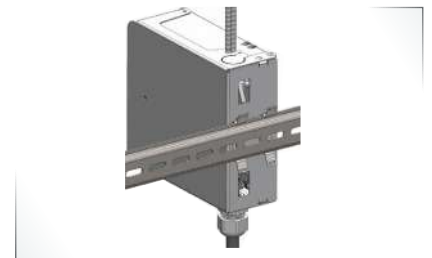
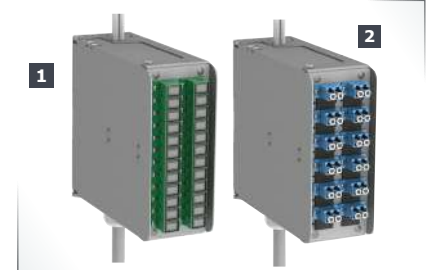
- Up to 12 input ports for SC Simplex connectivity
- Up to 12 x 45mm smouv splices
- Up to 2 x 11mm diameter cables (1 from below and 1 from above)
- Up to 4 x 5mm diameter sheaths (2 from above and 2 from below)

DIMENSIONS (mm)

- H 135 x W 38.5 x D 152 (excluding connectors)
- Empty weight : approx. 1 kg

COD-S - Front panel 12 SC sx - eq 6 adapt. LC Dx & 12 pigt G657 A2 LC-UPC B1	WBEP10-82-006012
COD-S - Front panel 12 SC sx - eq 12 adapt. Sx & 12 pigt G657 A2 SC-APC B1	WBEP10-24-012012

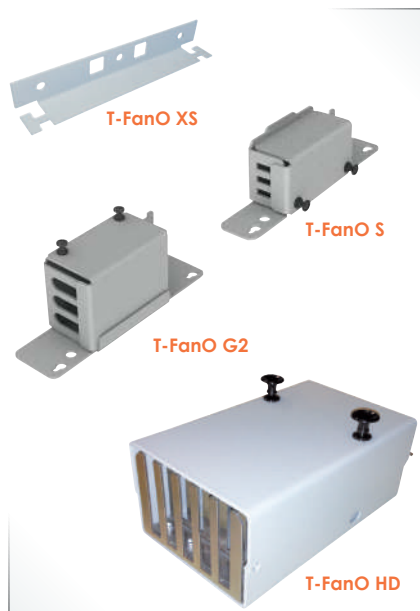
TETRADIS CONNECT COD





TETRADIS

CONNECT' T-FANO



Solution validated by ORANGE
 Solution validated by EDF

Optical Fan-out

T-FANO RANGE

T-Fano are universal metal splitter boxes allowing the splitting of one or more cables to one or more optical trays. The range consists of 4 models of boxes, available in multiple configurations.

COMMON FEATURES

- Steel splitter painted RAL 7035 textured

T-Fano XS

SPECIAL FEATURES

- Equipped with side T-cuts for fixing the cable and the sheath with 4 to 10 mm wide PVC braids
- Can be fixed to studs :
- In PAS of 31.7 mm, 50 et 100 mm

DIMENSIONS (mm)

- H 19 x W 130 x D 20
- Weight 0,049 kg

T-Fano S

SPECIAL FEATURES

- 2 snap rivets allow locking
- Equipped with side openings for fixing cables with 4 to 10 mm wide PVC or metal braids

DIMENSIONS (mm)

- H 46.2 x W 29 x D 132
- Weight 0.129 kg

T-Fano G2

SPECIAL FEATURES

- 2 snap rivets for locking
- Bursting parts (combs) and integrated cable grips
- Equipped with side openings for fixing cables with 4 to 10 mm wide PVC or metal braids
- Available in 6 versions

DIMENSIONS (mm)

- H 34 x W 39 x D 83
- Weight 0,155 kg

T-Fano HD

SPECIAL FEATURES

- 2 snap rivets for locking
- Bursting parts (combs) and cable clamps, carrier and earthing parts in stainless steel 304L
- Equipped, depending on the version, with a cable clamp for fixing cables with PVC or metal strips of 4 to 10 mm width
- Available in 6 versions

DIMENSIONS (mm)

- H 60 x W 90 x D 145 (without cable clamp) or D 180 (with cable hanger)
- Weight ≈0,6 Kg

Model	Optical capacity ● Recommended - ○ Compatible												Nb. of cables accepted					
	12 FO	24 FO	36 FO	48 FO	72 FO	96 FO	144 FO	216 FO	288 FO	432 FO	576 FO	864 FO	1	2	3	4	5	6
T-Fano XS	●	●	●	●	○	○	○						●					
T-Fano S		●	●	●	●	●	○	○					●	●				
T-Fano G2					●	●	●	●	●	○	○		●	●				
T-Fano HD										●	●	●	●	●	●			
T-Fano HD+							○	○	○	●	●	●	●	●	●	●	●	●

Fan-out T-Fano XS 1/24 FO for 1 cable to 1 sheath Ø10mm	RTSC-05-000005	1
Fan-out T-Fano S 24/72FO for 1-2 câbles to 6 tubes Ø5mm	RTSC-05-000070	
Fan-out T-Fano G2 144/288FO for 1-2 cables to 16 tubes Ø5mm	RTSC-05-000012	2
Fan-out T-Fano G2 144/288 FO for 1-2 cables to 6 tubes Ø10 mm	RTSC-05-000022	
Fan-out T-Fano 1x48 FO exit 1 tube Ø10 mm - Thermo sheath + grounding	RTSC-05-000021	3
Fan-out T-Fano HD 432/864 FO - 1-3 cables to 72 sheaths Ø5 mm	RTSC-05-000050	
Fan-out T-Fano HD 432/864 FO - 1-3 cables to 15 sheaths Ø10 mm	RTSC-05-000060	
Fan-out T-Fano HD - 5 cables 48 FO to 6 sheaths Ø10 mm+thermo+grounding	RTSC-05-000061	

Tool case by TETRADIS

TOOLING RANGE

OPTIBOX

Primer coil for reflectometry measurements

FEATURES

- Rigid PR case ensures perfect protection of the fibre
- On the top, the compartment ensures the storage and the coiling of the overbraided ends over 2 m
- In the lower part, a splicing cassette is integrated

CONTENT

- 1 rigid PR box
- 1 splicing tray, depending on version

Tool case OptiBox 9/125 G652D with splice tray - 2000m equipped SC-UPC/SC-UPC	MTSB-30-500222
Tool case OptiBox 50/125 OM3 with splice tray - 500m equipped SC-LC	MTSB-30-500824
Tool case OptiBox 50/125 OM4 with splice tray - 300m equipped SC-LC	MTSB-30-500924

>>> For other configurations, contact us

For every need,
a tool case
TETRADIS !



OPTITOOL+

The complete toolkit ideal for preparing the ends of optical cable extremities

CONTENT

- Optical tool case
- 14 mm cutting pliers
- Kabifix FK28 with adjustable swivel blade
- Kevlar scissors
- Miller 103S pliers
- Miller 721 pliers
- Electrician's knife
- FACC WIPPERS optical cleaning paper

TO COMPLETE WITH TOOLBOX

- Set of 9 hexagonal keys
- Set of 8 combination spanners
- Set of 6 pipe spanners
- Set of 7 flat screwdrivers and PMZ
- Spanner 150 mm
- Pliers 250 mm
- Hacksaw frame 420 mm
- Tape measure length 5 m

Tool case OPTITOOL+ (with OPTITOOL and TOOLBOX)	OTSMS-01-000021
Kit OPTITOOL for optical deployment with box	OTSMS-01-000022
Kit TOOLBOX - small tools	OTSMS-01-000023



OPTICLEAN+

Tool case for the cleaning of your fibers and connectors



CONTENT

- CleanConnect SC/ST
- CleanConnect LC
- Gaz'Net
- Isopronet
- Box of 100 lint-free fabrics
- Box of 100 lint-free sticks
- Fiber Checker -3dBm 2,5mm ferule

OPTICLEAN+ Toolkit including OPTICLEAN kit and FiberChecker	OTSMS-01-000025
OPTICLEAN + case including OPTICLEAN kit (without aerosols) and FiberChecker	OTSMS-01-000026

FIBER CHECKER

Tool for checking fibre breaks and defaults in optical networks



FEATURES

- 650 nm red laser
- Pulsed and CW operation
- Power: 10mW or 30mW
- Universal 2.5mm fibre optic connector, compatible with FC / SC / ST
- 40 hours of operation (1mW)
- Compact size
- Available in 30-MAX format

Visible Laser Emitter - Fiber Checker 10-XS - 10mW	OTSMS-90-001110
Visible Laser Emitter - Fiber Checker 30-MAX - 30 mW	OTSMS-90-001120

By sea and land only subject to compliance with the regulations on the transport of dangerous goods

Singlemode Adapters

CONNECTIVITY RANGE

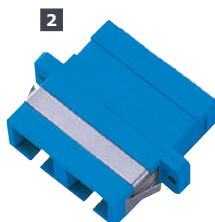
FEATURES

- Centering ring (sleeve material): ceramic

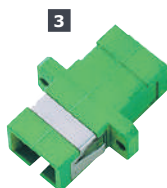
Adapter ST/ST Singlemode	RTSR-10-000100	5
Adapter SC-PC/SC-PC Blue Singlemode	RTSR-20-000100	1
Adapter SC-PC/SC-PC Duplex Blue Singlemode	RTSR-20-000101	2
Adapter SC-APC/SC-APC Green Singlemode	RTSR-24-000100	3
Adapter SC-APC/SC-APC Duplex Green Singlemode	RTSR-24-000101	3
Adapter FC-PC/FC-PC - DD-Shape	RTSR-30-000100	4
Adapter MU-PC Singlemode	RTSR-52-000100	3
Adapter LC-PC/LC-PC Blue Singlemode	RTSR-80-000100	7
Adapter LC-PC/LC-PC Duplex Blue Singlemode	RTSR-80-000101	8
Adapter LC-PC/LC-PC Quadruplex Blue Singlemode	RTSR-80-000102	9
Adapter LC-APC/LC-APC Green Singlemode	RTSR-84-000100	3
Adapter LC-APC/LC-APC Duplex Green Singlemode	RTSR-84-000101	3
Raccord LC-APC/LC-APC Quadruplex Green Monomode	RTSR-84-000102	3



SC-PC/SC-PC



SC-PC/SC-PC Duplex



SC-APC/SC-APC



FC-PC/FC-PC



ST/ST



ST/ST rectangular



LC-PC/LC-PC



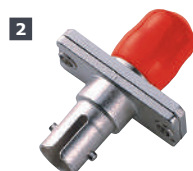
LC-PC/LC-PC Duplex



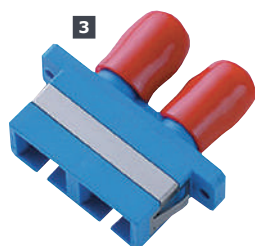
LC-PC/LC-PC Quadruplex



ST/SC-PC



ST/FC rectangular



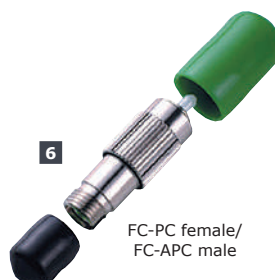
SC-PC/ST Duplex



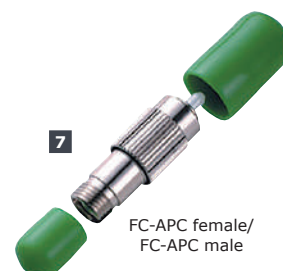
FC-PC/SC-PC



FC-APC/SC-APC



FC-PC female/
FC-APC male



FC-APC female/
FC-APC male

Hybrid Singlemode Adapters

CONNECTIVITY RANGE

FEATURES

- Centering ring (sleeve material): ceramic

Hybrid adapter ST/SC Singlemode metal/plastic body blue	RTSR-10-000500	1
Hybrid adapter ST/FC Singlemode rectangular metal body	RTSR-10-000501	2
Hybrid adapter ST/LC Singlemode rectangular metal body	RTSR-10-000502	3
Hybrid adapter SC/ST Singlemode Duplex	RTSR-10-000520	3
Hybrid adapter FC/SC Blue rectangular singlemode	RTSR-30-000500	4
Hybrid adapter FC-APC/SC-APC Rectangular green singlemode	RTSR-30-000501	5

Adaptateur FC-PC male / FC-APC female	RTSR-30-000600	6
Adaptateur FC-APC male / FC-PC female	RTSR-34-000600	6
Adaptateur FC-APC male / FC-APC female	RTSR-34-000650	7

Singlemode Pigtails

CONNECTIVITY RANGE

FEATURES

- Sheathed fiber Ø900µ
- Semi-freestanding structure without gel
- LSOH sheath
- Typical insertion loss: ≤ 0.25 dB: ≤ **0.25 dB**

REFLECTION RATE

PC	UPC	APC
≥ 40 dB	≥ 50 dB	≥ 60 dB

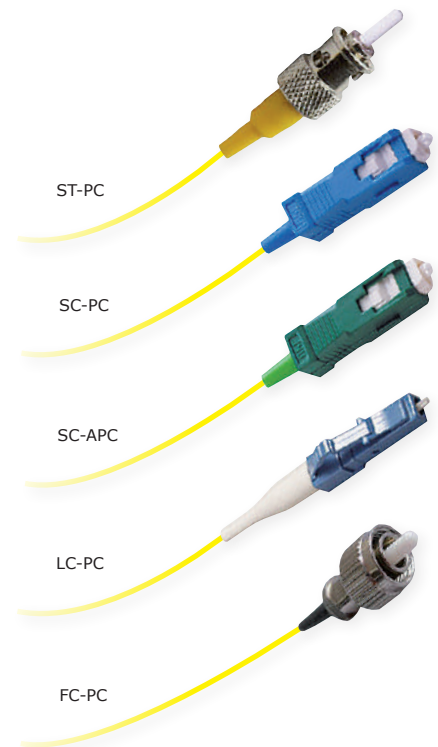
COMPATIBLE WITH SINGLEMODE CONNECTORS

- **Simplex** : ST, SC, SC-APC, FC, FC-APC, LC, E2000-PC, E2000-APC
- **Duplex** : SC-PC, SC-APC, LC-PC

Examples of singlemode pigtail references in 9/125 G652

Set of 12 colour pigtails G652 ST-UPC - Grade B1 - free structure - 2m	RTSJU1-12-00-002B1
Set of 12 colour pigtails G657A2 SC-UPC - Grade B1 free structure - 2m	RTSJU1-22-00-002B1
Set of 12 colour pigtails G657A2 SC-APC - Grade B1 free structure - 2m	RTSJU1-24-00-002B1
Set of 12 colour pigtails G652D FC-UPC - Grade B1 free structure - 2m	RTSJU1-32-00-002B1
Set of 12 colour pigtails G657A2 LC-UPC - Grade B1 free structure - 2m	RTSJU1-82-00-002B1
Set of 12 colour pigtails 9/125 LC-APC - Grade B1 free structure - 2m	RTSJU1-84-00-002B1

>>> Replace **002** with the desired length: 003 for 3 m, 005 for 5 m, 010 for 10 m



Singlemode Patchcords

CONNECTIVITY RANGE

Optical patchcord are the interface between patch panels and active equipment. They are either **simplex** (1 fiber - 2 connectors) or **duplex** (2 fibers - 4 connectors) depending on the use and can be equipped with different types of connectors. Each patchcord is individually tested to meet the requirements of high-speed networks.

FEATURES

- LSOH Simplex 2 mm or 2.8 mm
- LSOH Duplex-zip 2 x 4 mm or 2.8 x 5.6 mm
- LSOH Mini-zip 1.8 x 3.6 mm
- Tensile strength = 100 N
- Typical insertion loss: ≤ **0.50 dB**

REFLECTION RATE

PC	UPC	APC
≥ 35 dB	≥ 50 dB	≥ 60 dB

COMPATIBLE WITH SINGLEMODE CONNECTORS

- **Simplex** : ST, SC, SC-APC, FC, FC-APC, LC, E2000-PC, E2000-APC
- **Duplex** : SC-PC, SC-APC, LC-PC

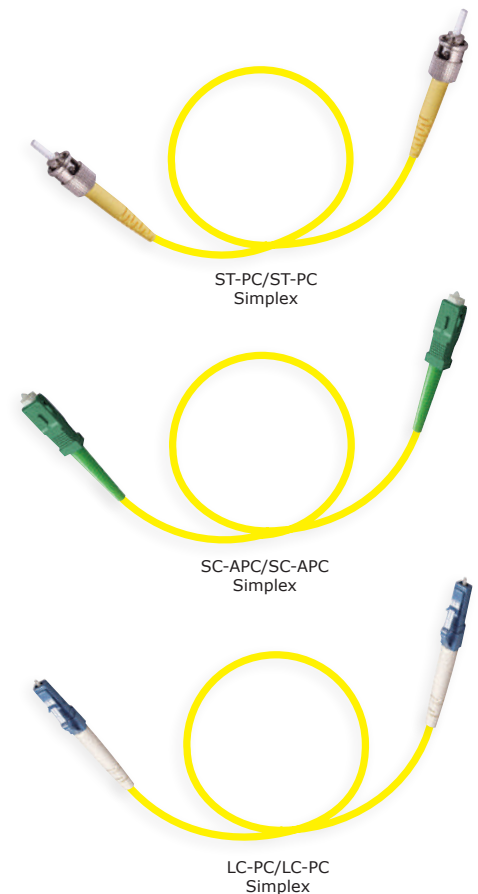
Examples of Singlemode Simplex patchcords references

Patchcord 9/125 Simplex ST/ST - 5 m	RTSJR1-10-10-005J
Patchcord 9/125 Simplex SC-PC/SC-PC - 2 m	RTSJR1-20-20-002J
Patchcord 9/125 Simplex SC-APC/SC-APC - 5 m - (IL< 0.3dB / RL>-55dB)	RTSJR1-24-24-005J
Patchcord 9/125 Simplex FC-PC/FC-PC - 2 m	RTSJR1-30-30-002J
Patchcord 9/125 Simplex EC/EC - 5 m	RTSJR1-78-78-005J
Patchcord 9/125 Simplex LC-PC/LC-PC - 2 m	RTSJR1-80-80-002J

Examples of Duplex-zip singlemode patchcords references

Patchcord 9/125 Duplex-zip ST/ST - 2 m	RTSJT1-10-10-002J
Patchcord 9/125 Duplex-zip SC-PC/SC-PC - 5 m	RTSJT1-20-20-005J
Patchcord 9/125 duplex-zip SC-APC/SC-APC - 2 m	RTSJT1-24-24-002J
Patchcord 9/125 Duplex-zip FC-PC/FC-PC - 5 m	RTSJT1-30-30-005J
Patchcord 9/125 Duplex-zip LC-PC/LC-PC - 2 m	RTSJT1-80-80-002J

>>> Refer to the multimode connectors table on page 27 to constitute the patchcord reference
>>> Replace **002** or **005** by the desired length: 003 for 3 m, 005 for 5 m, 010 for 10 m



Multimodes Adapters

CONNECTIVITY RANGE



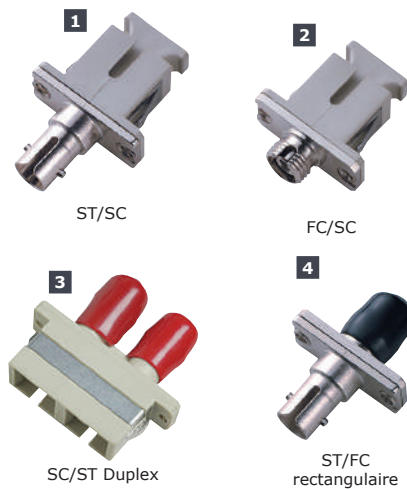
FEATURES

- Centring ring (sleeve material): bronze

Adapter ST/ST Multimode	RIMR-10-000100	3
Adapter SC/SC Duplex Multimode beige	RIMR-20-000100	2
Adapter SC/SC Simplex Multimode beige	RIMR-20-000101	1
Adapter FC/FC Multimode	RIMR-30-000100	4
Adapter LC/LC Duplex Multimode	RIMR-80-000100	5
Adapter LC-PC/LC-PC Quadruplex Multimode	RIMR-80-000102	

Hybrid Multimode Adapters

CONNECTIVITY RANGE



FEATURES

- Centring ring (sleeve material): bronze

Hybrid adapter ST/SC Simplex Multimode beige	RIMR-10-000500	1
Hybrid adapter ST/FC Multimode metal body SC Simplex rectangle	RIMR-10-000501	4
Hybrid adapter SC/ST Duplex Multimode beige	RIMR-20-000500	3
Hybrid adapter FC/SC Multimode metal/plastic body beige	RIMR-30-000500	2
Hybrid adapter FC/ST Multimode	Nous consulter	5

Also available:
port obturators



Hybrid Multimode Adapters

CONNECTIVITY RANGE

Adapters equipped with an adapter for the openings of certain cases or drawers of the FIST range.



Adapter ST Singlemode	RTSB-30-000210	7
Adapter ST Multimode	RTSB-30-000211	6
Adapter SC-PC Singlemode	RTSB-30-000220	4
Adapter SC-PC Multimode	RTSB-30-000221	3
Adapter SC-APC	RTSB-30-000224	5
Adapter FC-PC	RTSB-30-000230	
Adapter FC-APC	RTSB-30-000234	
Adapter E2000-PC	RTSB-30-000270	
Adapter E2000-APC	RTSB-30-000274	
Adapter LC-PC Duplex	RTSB-30-000280	1
Adapter LC-APC Duplex Singlemode	RTSB-30-000284	2

Multimode Pigtails

CONNECTIVITY RANGE

FEATURES

- Semi-freestanding 900µ LSOH sheath

COMPATIBLE WITH MULTI-MODE CONNECTORS

- **Simplex** : ST, SC, FC, LC
- **Duplex** : SC, LC

Examples of references for Multimode pigtails in 50/125 OM4

Pigtail 50/125 OM4 Semi-free structure ST - 2m - purple	RIMJF3-10-00-002X
Pigtail 50/125 OM4 Semi-free structure SC - 2m - purple	RIMJF3-20-00-002X

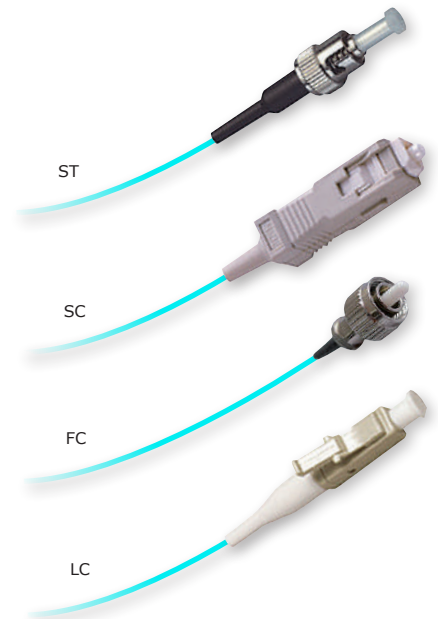
Examples of references for Multimode pigtails in 50/125 OM3

Pigtail 50/125 OM3 Semi-free structure ST - 2 m - aqua	RIMJF2-10-00-002X
Pigtail 50/125 OM3 Semi-free structure SC - 2 m - aqua	RIMJF2-20-00-002X

Examples of references for Multimode pigtails in 50/125 OM2

Pigtail 50/125 Semi-free structure ST - 2 m - green	RIMJF1-10-00-002X
Pigtail 50/125 Semi-free structure SC - 2 m - green	RIMJF1-20-00-002X

>>> refer to the multimode connector table on page 27 for the jumper reference
 >>> Replace **002** with the desired length: 003 for 3 m, 005 for 5 m, 010 for 10 m



Multimode Patchcords

CONNECTIVITY RANGE

Optical patchcords are the interface between patch panels and active equipment. They are either **Simplex** (1 fibre - 2 connectors) or **Duplex** (2 fibers - 4 connectors) depending on the use and can be equipped with different types of connectors. Each jumper is individually tested to meet the requirements of high-speed networks.

FEATURES

- LSOH Simplex 2 and 3 mm
- LSOH Duplex-zip 2 x 4 and 3 x 6 mm
- Tensile strength = 100 N
- Typical insertion loss: ≤ **0.30 dB**

COMPATIBLE WITH MULTIMODE CONNECTORS

- **Simplex** : ST, SC, FC, LC
- **Duplex** : SC, LC

Examples of OM4 Multimode patchcords references

Patchcord 50/125 OM4 Duplex-zip SC/SC - 5m - purple	RIMJC3-20-20-005X
Patchcord 50/125 OM4 Duplex-zip ST/SC - 2m - purple	RIMJC3-10-20-002X
Patchcord 50/125 OM4 Duplex-zip LC/LC - 5m - purple	RIMJC3-80-80-005X

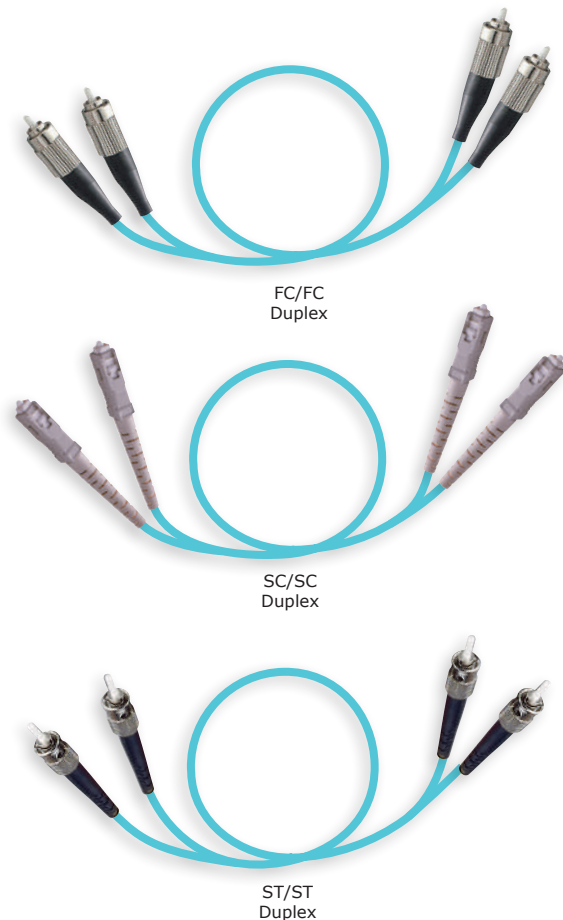
Examples of OM3 Multimode patchcords references

Patchcord 50/125 OM3 Duplex-zip ST/ST - 2 m	RIMJC2-10-10-002X
Patchcord 50/125 OM3 Duplex-zip SC/SC - 5 m	RIMJC2-20-20-005X
Patchcord 50/125 OM3 Duplex-zip LC/LC - 2 m	RIMJC2-80-80-002X

Examples of OM2 Multimode patchcords references

Patchcord 50/125 Duplex-zip ST/ST - 2 m	RIMJC1-10-10-002X
Patchcord 50/125 Duplex-zip SC/SC - 5 m	RIMJC1-20-20-005X
Patchcord 50/125 Dx Minizip LC/LC - 2 m	RIMJC1-80-80-002X

>>> Refer to the multimode connector table on page 27 for the jumper reference
 >>> Replace **002** or **005** with the desired length: 003 for 3 m, 005 for 5 m, 010 for 10 m



PLC Splitters

CONNECTIVITY RANGE

PLC optical splitters are optical circuits that combine or share services to multiple subscribers.

The optical splitter divides the light from a 2 to 64 or even 128 channels depending on the application.

FEATURES

- Flat technology
- High reliability
- Low insertion loss
- Very low PDL (polarisation sensitivity)
- Very good uniformity
- Compact design and dimensions
- Various coupling ratios
- Single and multi mode available

APPLICATIONS

- Communication networks and telecommunications
- PON
- Systèmes LAN, WAN systems
- RAU
- FTTx
- Video
- xWDM

Type	1 : 2	1 : 4	1 : 8	1 : 16	1 : 32	1 : 64
Wave length	1260 - 1650 nm					
Insertion losses (dB) max. (P/S)	4.0 / 3.8	7.3 / 7.0	10.5 / 10.2	14.0 / 13.5	16.9 / 16.5	21.0 / 20.5
Uniformity (dB) max. (P/S)	0.4	0.6	0.8	1.2	1.5	2.5
Return Loss (dB) min. (P/S)	50 / 55					
PDL (dB) max. (P/S)	0.2	0.2	0.3		0.4	
Directivity (dB)	55					
Length of fiber min.	1.2 m (±0.1) (Others lengths on request)					
Fiber types	G657A (Others fibers on request)					
Losses according to λ (dB)	0.3		0.5			
Temperature sensitivity (dB)	0.5					
T°C Range	Storage : -40 à +85°C					

PLC Splitter, 1 x 2 - SMF28e/ 900µ - 1260 - 1620 nm - 1 m	RTSC-80-810202
PLC Splitter 1 x 4 - SMF28e/ 900µ - 1260 - 1620 nm - 1 m	RTSC-80-810402
PLC Splitter, 1 x 8 - SMF28e/ 900µ - 1260 - 1620 nm - 1 m	RTSC-80-810802
PLC Splitter, 1 x 16 - SMF28e/ 900µ - 1260 - 1620 nm - 1 m	RTSC-80-811602
PLC Splitter, 1 x 32 - SMF28e/ 900µ - 1260 - 1620 nm - 1 m	RTSC-80-813202
PLC Splitter, 1 x 64 - SMF28e/ 900µ - 1260 - 1620 nm - 1 m	RTSC-80-816402

PLC Splitter, 2 x 32 - SMF 900µ - 1260 - 1620 nm - 1 m	RTSC-80-823202
PLC Splitter, 2 x 64 - SMF 900µ - 1260 - 1620 nm - 1 m	RTSC-80-826402

SMF : Single Mode Fiber

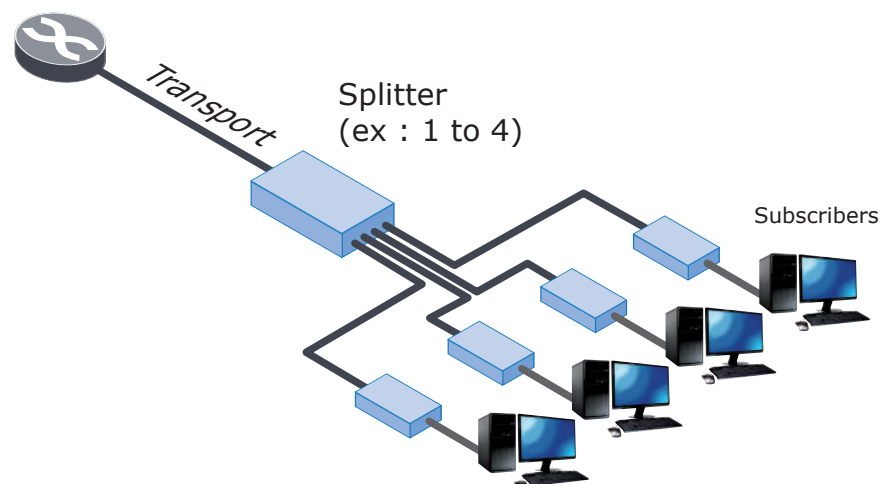


DIMENSIONS (mm)

- 1:2, 1:4 et 1:8 : H 4 x I 4 x L 40
- 1:16 : H 4 x I 4 x L 50
- 1:32 : H 4 x I 7 x L 50
- 1:64 : H 4 x I 12 x L 60

Also available in 250µm and 2 or 3 mm on request... Consult us !

POP



Pre-connectorised cable Break-Out

CONNECTIVITY RANGE

The Break-Out is a pre-connected LSZH cable that can contain from 2 to 24 fibers each surrounded by an LSZH sheath (diameter with Ø2 mm sheath).

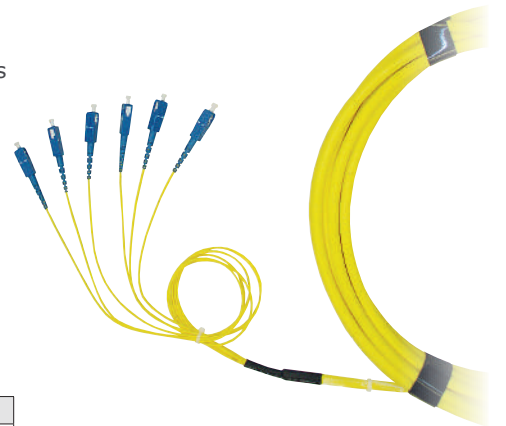
FEATURES

- UV stabilised jacket for outdoor use
- LSZH features to meet environmental requirements
- IEC 332-1 and IEC 332-3C compliance
- Available in Multimode and Singlemode
- All connectors
- 900µ Polyamide coating, white, outer diameter 850±50 µm
- Protection of single TFs Aramid wicks
- Sheath of each fiber Ø2 mm type LSZH

- Colour varies according to the type of fiber (Singlemode / Multimode)
- Each fiber is numbered on its surface
- With central carrier (100% dielectric) according to the FO capacities of the break-out cable
- Outer sheath Type LSZH with FO type marking every 1 metre

APPLICATIONS

- Optical RAU / LAN backbone
- PMV / Weather station



Technical specifications			
Maximul voltage (at installation)	4 FO : 500 N 6 FO : 800 N 8 FO : 1000 N 12 FO : 2000 N 24 FO : 4000 N	Reversible Fiber stretching 0.3%	IEC Norm 60794-1-2-E1
Crushing	500 N / 10 cm	Reversible	IEC Norm 60794-1-2-E3
Impact	10 J	Reversible No degradation	IEC Norm 60794-1-2-E4
Radius of curvature dynamic	Ø 20 max per cable 20 Cycles maximum	No degradation	IEC Norm 60794-1-2-E6
Radius of curvature static	Ø 20 max per cable	No degradation	IEC Norm 60794-1-2-E10
Temperature cycling	From -20°C à +60°C 2 Cycles maximum	0.1 dB à 1550 nm Reversible	IEC Norm 60794-1-2-F1

Temperature ranges	
T° of storage	de -20°C à +60°C
T° in use	de -20°C à +60°C
T° on installation	de 0°C à +50°C

Properties in case of fire	
Propagation	CEI Norm 20-22/3-4
Smoke emission	CEI Norm 20-37/5
Gas emission	CEI Norm 20-37/3 CEI Norm 20-37/7

Coding of Break-Out cables

Due to the multitude of connectors, fiber types and lengths, it is impossible for us to list all break-out cables in a table. Therefore, in order to meet your specific requirements, we are providing you with an extract from our internal coding.

Singlemode Cable

CTSPAY-GBBGCC-DDDZ

BB & CC	Type of connectors			
	PC	UPC	APC	APC ajusté
ST	10	12		
SC	20	22	24	25
FC	30	32	34	35
MTRJ	60			
E2000	70		74	
EC			78	
VFO	79			
LC	80		84	
VF-45	90			

DDD	Length (en m)

Multimode Cable

CIMPAY-GEEGFF-DDDZ

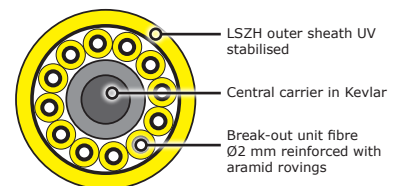
EE & FF	Type of connectors
	PC
ST	10
SC	20
FC	30
MTRJ	60
E2000	70
VFO	79
LC	80
VF-45	90

Z	Installation method
0	Without pulling sock
1	With pulling sock

A	Cable type		
FO Number	Free	900µ	Break Out
4	A	I	R
6	B	J	S
8	C	K	T
12	D	L	U
24	E	M	V
36	F	N	W
48	G	O	X

Y	Fiber type
1	9/125 - G652
3	50/125 - standard
6	62.5/125

G	Double sheath 2.8 mm
0	Without double sheath
1	With double sheath
9	On request



FO Number	Ø des FO	Ø du Break-Out	Weight
4	0.9 mm	6.8 mm	45 kg/km
6	0.9 mm	8.4 mm	79 kg/km
8	0.9 mm	9.5 mm	90 kg/km
12	0.9 mm	12.6 mm	165 kg/km
24	0.9 mm	15.0 mm	210 kg/km

Singlemode Cable

Break Out Cable 6 FO - 9/125 - 6 x SC-PC / 6 x SC-PC - 10 m	CTSPS1-020020-0100
Break Out Cable 6 FO - 9/125 - 6 x SC-APC / 6 x SC-APC - 10 m	CTSPS1-024024-0100
Break Out Cable 12 FO - 9/125 - 12 x SC-PC / 12 x SC-PC - 10 m	CTSPU1-020020-0100
Break Out Cable 12 FO - 9/125 - 12 x SC-APC / 12 x SC-APC - 10 m	CTSPU1-024024-0100
Break Out Cable 24 FO - 9/125 - 24 x SC-PC / 24 x SC-PC - 10 m	CTSPV1-020020-0100
Break Out Cable 24 FO - 9/125 - 24 x SC-APC / 24 x SC-APC - 10 m	CTSPV1-024024-0100

Multimode Cable

Break Out 12 FO - 50/125 - 12 x SC / 12 x SC - 10 m	CIMPV3-020020-0100
Break Out 24 FO - 50/125 - 24 x SC / 24 x SC - 10 m	CIMPV3-020020-0100



TETRADIS PARTNERS

In order to offer you the most complete product range, TETRADIS works with renowned partners such as COMMSCOPE or CORNING.

Thanks to these TETRADIS service provider solutions, we can offer integrated products fitting your needs or manufactured on demand. Save time on your deployments !



BPE-O Size 3
equipped with 36 adapters SC-APC Dx



KITTING SERVICE

We offer to all our customers a Kitting Service, allowing to group all the desired products under a single reference.

Why choose our Kitting Service?

- **Simplified logistics management:** receiving all components at the same time
- **Easier intervention management:** facilitates dispatch to different sites
- **Better financial management:** products are ordered according to needs, reduction of lost parts
- **Administrative management:** optimization of inventory management

— To find your way around...

Thanks to this pictogram, you can easily identify the references proposed in **TETRADIS Kitting**

INTEGRATION SERVICE

Through its end customers, TETRADIS offers an Integration service to all its customers.

The servers, street cabinets, optical shelves and other passive components are integrated, according to the needs, upstream of the deployment in the field.

Saves time on the field and guarantees quality!

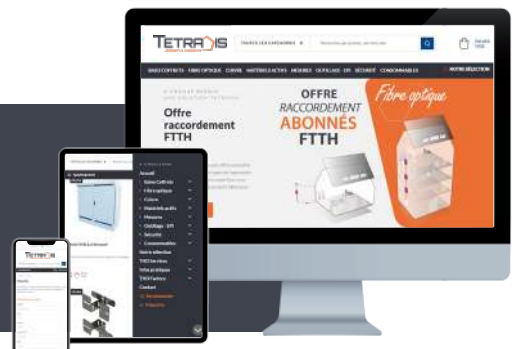
— To find your way around...

Thanks to this pictogram, you can easily identify the references proposed with **TETRADIS Integration**

Find all the products online!

- Thousands of references available on our e-catalogue site
- A complete customer area and contact information

Visit shop.tetradis.com !



GR3 Indoor Cabinet

OPTICAL CABINET RANGE

The FIST-GR3 is a multi-purpose cabinet, easy to install, developed to receive fiber management equipment.

In PM configuration, 3 functional blocks are differentiated.

- Right LAT Part: Subscriber AR Area
- Left LAT part: Operator pooling zone
- Central part: Overlength management zone

FEATURES

- Cabinet painted in light grey (RAL 7035)
- The width depends on the configuration
- Wall mounting, single or adjacent (optional kit)
- Back to back mounting
- Standard 19" splitter
- Height 2200 mm in 2 zones 42U
- Cabinet divided into 3 zones (Operators, Management, Subscribers)
- Single patchcord length
- Single management in front panel
- Devices for securing cables and integrated tubes in lateral parts
- Possibility to add as an option: LAT / AR / Front doors panels

CAPACITIES

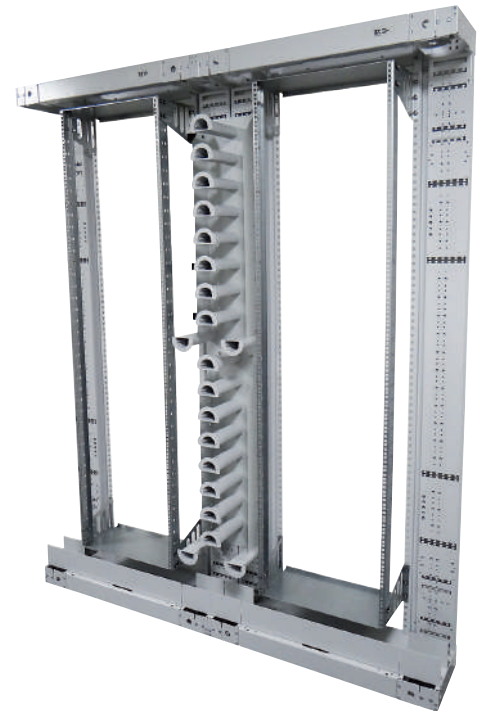
- Up to 14 shelves FIST 3U
- Height unit 19" = 2 zones of 42U

DIMENSIONS (mm)

- Together : H 2200 x W (900 x 2) x P 300
- Central body : H 2200 x W 600 x D 300
- Floor area < 0.54 m²

APPLICATION

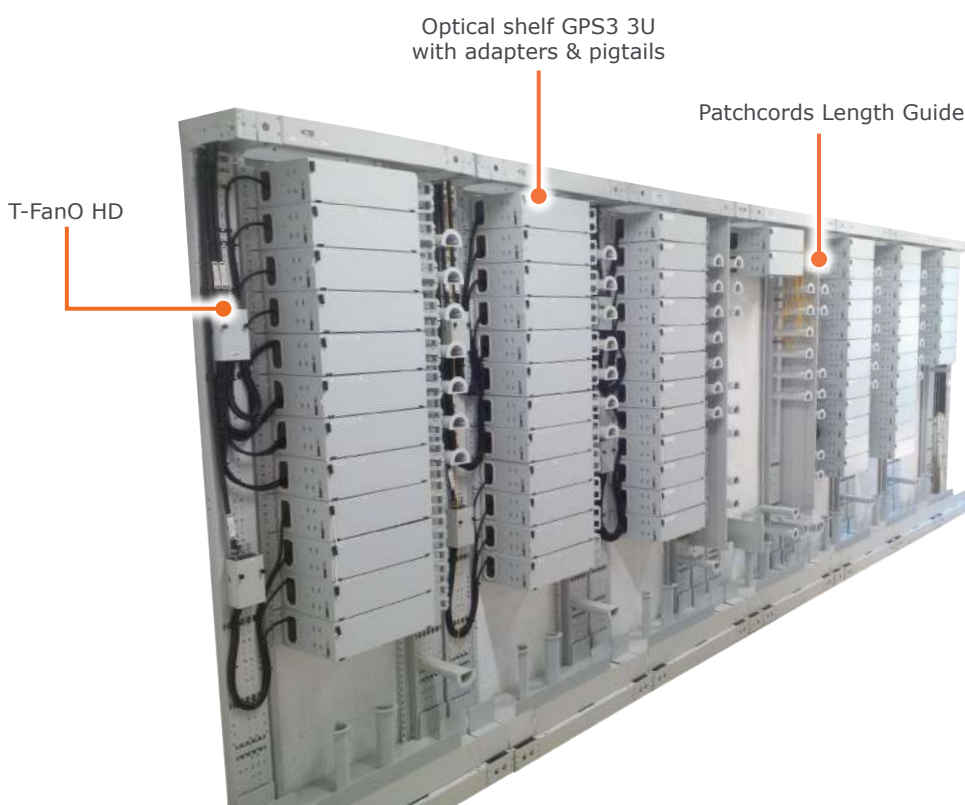
- PM or NRO shelter dispatcher



PM 1584 FO 19" AV for shelter - GR3 2x42U with central coiling	RCAB-34-000080
Angle coupling kit for GR3	RCAB-34-000003
GR3 cabinet equipped with 8 shelves GPS3 3U patching / patching	RCAK-33-000010



TETRADIS realizes the integration of your cabinet according to your needs!



SPLICE PROTECTION RANGE

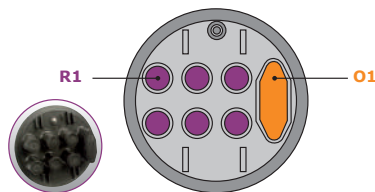
Designation	Max. nb of splices	Max nb of trays	Sealing type	Nb of inputs / outputs	Max number of cables	Max coiling	Volume
FIST GCO2 FR6	288	24 FIST SLE 12 sp.	Gel or thermo block	1 passage and up to 24 cables max ⁽²⁾	720 FO mod.12	102 m	9.9 L
FIST GCO2 FR6 HD	336	28 FIST SLE 12 sp.	Gel or thermo block	1 passage and up to 24 cables max ⁽²⁾	720 FO mod.12	102 m	9.9 L
FIST GCO2 BCx	672	56 SLE 12 sp.	Gel or thermo block	Depending on the I/O configuration, refer to the description pages	720 FO mod.12	126 m	15.65 L
FIST GCO2 BDx	960	80 SLE 12 sp.	Gel or thermo block	Depending on the I/O configuration, refer to the description pages	720 FO mod.12	162 m	19.05 L
FIST GCO2 BEx	1344	112 SLE 12 sp.	Gel or thermo block	Depending on the I/O configuration, refer to the description pages	720 FO mod.12	210 m	22.30 L

⁽¹⁾ 12 drops possible par superposition ou encore combinaison

⁽²⁾ le nombre dépend du diamètre et si E/S GEL

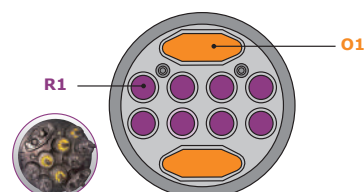
Compatible output types depending on the FIST GCO2 model

FIST GCO2 Bx6



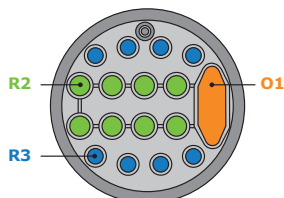
Subbase Ø 247 mm for **FIST GCO2 Bx6** containing :
 - 6 round outlets (R1) Ø 30 mm
 - 1 oval outlet (O1) Ø 30 x 82 mm

FIST GCO2 Bx8



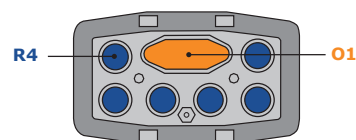
Subbase Ø 247 mm for **FIST GCO2 Bx8** containing :
 - 8 round outlets (R1) Ø 30 mm
 - 2 oval outlets (O1) Ø 30 x 82 mm

FIST GCO2 Bx16



Subbase Ø 247 mm for **FIST GCO2 Bx16** containing :
 - 8 round outlets (R2) Ø 20 mm
 - 8 round outlets (R3) Ø 13,5 mm
 - 1 oval outlet (O1) Ø 30 x 82 mm

FIST GCO2 FR6



Base H 150 x 254 mm for **FIST GCO2 Fx6** containing :
 - 6 round outlets (R4) Ø 30 mm
 - 1 oval outlet (O1) Ø 30 x 82 mm



FIST GCO2 RANGE

SPLICE PROTECTION RANGE



FIST GCO2 Bx6



FIST GCO2 Bx8



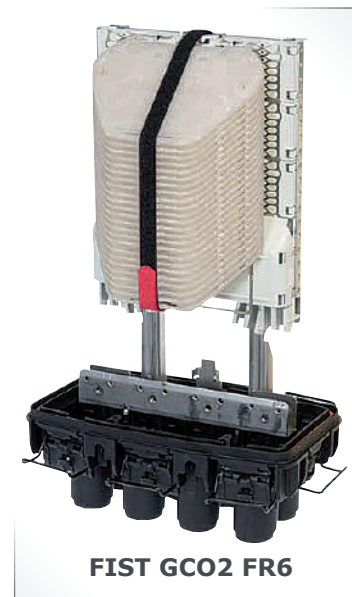
FIST GCO2 Bx16

Waterproof fiber closure Fist GCO2 BC6 + earth + Valve	RTSB-10-000020
Waterproof fiber closure Fist GCO2 BD6 + earth + Valve	RTSB-10-000030
Waterproof fiber closure Fist GCO2 BE6 + earth + Valve	RTSB-10-000040
Waterproof fiber closure Fist GCO2 BC8 + earth + Valve	RTSB-10-000022
Waterproof fiber closure Fist GCO2 BD8 + earth + Valve	RTSB-10-000032
Waterproof fiber closure Fist GCO2 BE8 + earth + Valve	RTSB-10-000042
Waterproof fiber closure Fist GCO2 BC16 + earth + Valve	RTSB-10-000021
Waterproof fiber closure Fist GCO2 BD16 + earth + Valve	RTSB-10-000031
Waterproof fiber closure Fist GCO2 BE16 + earth + Valve	RTSB-10-000041
FLAT FIST GCO2 - FR6 shortened dome (max 288 splices)	RTSB-12-000030
FLAT FIST GCO2 - FR6 HD NV	RTSB-12-000040

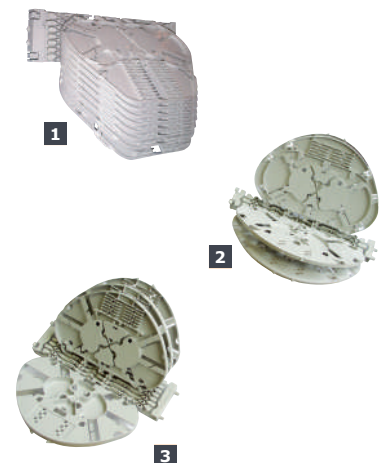
Accessories

 All accessories for the FIST GCO2 can be integrated into our kitting, ask us for advice!

Set of 4 Slim SOSA2 4SLE trays with 12 'smouv' adapters	RTSB-30-000050	
Set of 8 Slim SOSA2 8SLE trays with 12 'smouv' adapters	RTSB-30-000052	1
Set of 2 trays SOSA2 2SE 12 'smouv' adapters	RTSB-30-000010	2
Set of 4 trays SOSA2 4SE 12 'smouv' adapters	RTSB-30-000020	3
Set of 5 trays SOSA2 5SE 12 'smouv' adapters	RTSB-30-000026	
Oval Port - O1 compatible for tube cable (OSK-LTS)	RTSB-30-000102	
Round Port - R1 compatible for tube cable (RSK-LTS)	RTSB-30-000101	
Round Port - R4 compatible for tube cable (FX-RSK-LTS)	RTSB-30-000121	
Round Port - R2/R3 compatible for tube cable (RSK-16-LTS)	RTSB-30-000105	
3 port round gel cable entry 6.5 to 8mm / RSKG-3	RTSB-30-000139	
2 port round gel cable entry 8 to 11mm / RSKG-2	RTSB-30-000140	
4 port round gel cable entry 4 to 7mm / RSKG-4	RTSB-30-000142	
8 port round gel cable entry 3 to 5mm / RSKG-8	RTSB-30-000143	
16 port round gel cable entry 0 to 3mm / RSKG-16	RTSB-30-000144	
1 port round gel cable entry 11 to 14mm / RSKG-16	RTSB-30-000146	
2 port oval gel cable entry 16 to 20mm / FIST-OSKG20	RTSB-30-000147	



FIST GCO2 FR6



TENIO RANGE

SPLICE PROTECTION RANGE

1

TENIO splice protectors are modular elements that combine a powerful fiber management system with a new intuitive sealing system, allowing for reduced part numbers and improved installation time.

TENIO's modularity allows for flexibility and scalability in network architecture while reducing initial costs and reducing inventory.

BASIC KIT INCLUDES

- 1 dome with peripheral seal
- 1 base with fibre management and splicing system
- 2 half side gel blocks
- 1 braided sheath
- 1 rubber tube

CAPACITIES

- Up to 144 splices in Size 1 and up to 288 splices in Size 2
- Up to 12 x 12 fibre cassettes in Size 1 and up to 12 x 24 fibre cassettes in Size 2 (available as accessories)
- Up to 6 gel input/output blocks (available as accessories)

FEATURES

- IP 68
- Mechanical cable retention
- Interchangeable gel inputs/outputs
- Dedicated standard: NF/EN 50411-2-10 FTTH G
- Hat standard : IEC-EN 61753-1
- Standardised test procedure: NF/EN 61300-X-Y
- Environmental category: G

DIMENSIONS (mm)

- TENIO T1 : H 345 x W 230 x D 134 - Volume : 5.95 L
- TENIO T2 : H 405 x W 230 x D 134 - Volume : 9.9 L



2



TENIO T1 maxi 144FO - 6 trays 12FO - 4 Obturators - Fixing kit	RTSB-15-000015
TENIO T1 kit + 12 trays + 1x2b + 1x3a + 5xCTU-L + Fixing	KDA-AL00-C1D100Y2
NextGen 12-fuse tray for TENIO T1	RTSB-15-000050

TENIO T2 + (C6H) capacity 288FO empty	RTSB-15-000021
TENIO T2 kit 12 trays - 1 E/S 2a + 1 E/S 3a + 4 Obt. + 5 CTU-L + Fixing	KDC-CL00-A1D104Y2
NextGen 24-fuse tray for TENIO T2	RTSB-15-000052

>>> The kits can be made according to your needs: ask us for advice !

Accessories

All accessories for the TENIO can be integrated into our kittings, ask us for advice!

TENIO Gel Block – Obturator	RTSB-15-000100
TENIO Gel Block 2 E/S 13-16mm - 2a	RTSB-15-000121
TENIO Gel Block 2 E/S 11-14mm - 2b	RTSB-15-000122
TENIO Gel Block 2 E/S 9-12mm - 2c	RTSB-15-000123
TENIO Gel Block 3 E/S 7-10mm - 3a	RTSB-15-000131
TENIO Gel Block 3 E/S 5-8mm - 3b	RTSB-15-000132
TENIO Gel Block 4 E/S 3-6mm - 4	RTSB-15-000141
TENIO Gel Block 5 E/S 2-4mm - 5	RTSB-15-000151
TENIO Fix Cable - CTU Small - without carrier fix for gel packs 4 and 5	RTSB-15-000105
TENIO Fix cable - CTU Large - with support fixture for gel blocks 2 and 3	RTSB-15-000106



NovuX™ CSC 100

SPLICE PROTECTION RANGE

Easy to configure, the NovuX™ CSC 100 PBO / BPE watertight box can be installed as PBO and BPE in facades, duct, chambers and overhead.

Its characteristics allow it to accept a cable up to 14 mm in diameter and a 12 mm diameter branch cable.

FEATURES

- Number of ports for main cable: 2
- Number of branch ports: 1, accepts 1 cable or 2 cables
- Number of splices: 48 / Number of connections: up to 12
- Dimensions (mm) : 284 x 117 x 77

BASIC KIT INCLUDES

- 1 tray 24 Smouv 45 splice for branch cables
- 2 trays 12 Smouv 45 splice for connection of branch cables
- 1 tray for uncut fibres
- 1 storage tray for micro modules
- 2 Gel sealing blocks
- 2x6 plastic cable ties
- 3 metal cable ties
- Self-amalgamating tape
- MOBRA fastening clips
- 1 Customisable identification plate

CSC-100-IP68 PBO 12 und. - 1xD0-14_1xS0-12_1xD0-6,2_6xCTU-D0-6,2_Fix - Black	RTSB-05-300031
CSC-100-IP68 PBO 6 overhead - 1xD0-14_1xS0-12_6xCTU-S0-6,2_Fix - Grey	RTSB-05-300032
CSC-100-IP68 PBO 12 overhead - 1xD0-14_1xS0-12_6xCTU-D0-6,2_Fix - Grey	RTSB-05-300033
CSC-100-IP68 PBO 6 overhead -1xD0-14_1xS0-12_6xS0-6,2_Fix_Grey	RTSB-05-300034



OFDC A4

SPLICE PROTECTION RANGE

This IP68 gel splice enclosure is used to separate the fibers of a looped cable to connect business networks, multi-family or individual homes. The gel, used for both closure and cable joints, allows easy access and is fully reusable. Capacity of 4 subscribers, overhead or underground.

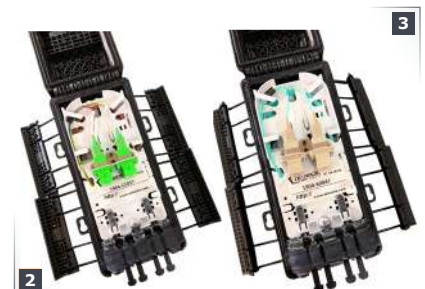
FEATURES

- Multi-purpose enclosure for Optical Distribution Box or Splice Enclosure applications
- Fully removable inner device for easier cable routing
- Designed for 360° access to branch cables, allowing faster deployments and rework
- Quick customer connection requiring only the demarcation cover to be opened while the top cover protects the network fibers
- Dimensions (mm) : 210 x 10 x 70 / Volume : 1.3 litres

CAPACITIES

- 2 zones: Rear and Front
- 12 splices, with 45mm SMOUV
- Cable in transit: 13.2m storage length / 4.5 to 12mm diameter
- Subscriber Cables :
 - 4 maximum for cable diameter 2 to 6mm
 - 8 maximum for a cable diameter between 2 to 4.5mm

OFDC-A4 - complete 12 splices + I/O Gel 1xD4,5-12 + 4x S2-6	RTSB-70-100050	1
OFDC-A4 - equipped with 4 adapt. & pigtails Grade B1 9/125 SC-APC	RTSB-70-105001	2
OFDC-A4 - equipped with 4 adapt. & pigtails 50/125 SC OM3 aqua	RTSB-70-105002	3



COMMSCOPE®

OFDC B8G with 72 fused connectors

SPLICE PROTECTION RANGE

The OFDC B8G is a modular fiber optic cable splice protection using GEL sealing technology. It can be used in chamber, underground, sewer and aerial applications.



BASIC KIT INCLUDES

- 1 box with 2 hinged covers
- 1 base/dome seal per 6 frogs and 1 per base/native gel
- 1 OFDC turntable
- 1 organiser
- 1 storage area for tubes in transit
- Wall mounting system integrated in the box included in the kit

FEATURES

- For 4 main cables: 2 cables from 5 to 15 mm and 2 cables from 4 to 11 mm as well as 8 branch cables from 0 to 6 mm
- Includes lashing of the 4 main cables
- Native lashing for branch cables
- Quick closing and reopening
- Volume <5.9L
- Max splices : 96

OFDC B8G 72 splices 6L equip. 1xD5-15 + 2xS4-11 + 8xS0-6

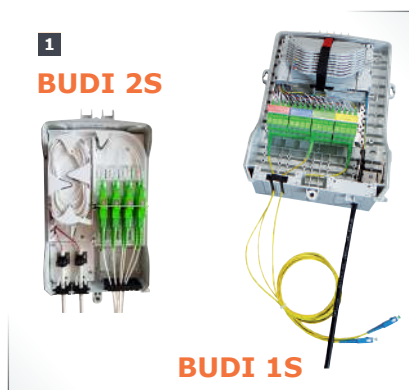
RTSB-70-100035

BUDI RANGE

SPLICE PROTECTION RANGE

The BUDI range offers compact wall-mounted FO splice protection enclosures for indoor and outdoor use. The enclosures are specifically designed for quick deployment and easy connection for the customer.

Available with splicing and/or patching, high density connectors, small and large footprints. They offer flexible solutions for a wide range of applications.



FEATURES

- Materials are LSZH; flame retardant.
- UV resistant materials for use above ground, outdoors (IP54)
- Multiple cable ports available and enclosing cable sealing blocks
- Integration of passive components possible
- Removable housing cover
- Compatible with Mini-Breakout cable
- With or without lock
- Various accessories available for different cable types
- Available as patching/splicing or splicing/splicing version

CAPACITIES

	Nb max SC sx adapters	Nb max LC dx adapters	SOSA2-SC	SOSA2-4 SE	SOSA2-5 SE	SLE
BUDI-2S	6	12	1 tray 12 FO			
BUDI-1S	x	x	80	120	144	240
BUDI-1S-T	16	32	48	72	84	144
BUDI-S-SP	x	x	128	192	240	284
BUDI-S-TB	24	48	2 trays 24 FO + 1 tray 8 FO + 1 tray 6FO			
BUDI-S-TN	24	48	64	96	120	192
BUDI-M-SP	x	x	160	240	300	480
BUDI-M-TB	36	72	4 trays 24 FO + 1 tray 8 FO + 1 tray 6FO			
BUDI-M-TN	36	72	4 blocks SOSA2 48 connectors			



BUDI-2S-S	RTSB-49-001010
✂ BUDI-2S equipped with 4 SC-APC sx adapters + PLC 1 to 8	RTSK-91-013060
✂ BUDI-2S equipped with 2 SC-APC sx adapters + PLC 1 to 4	RTSK-91-013061
BUDI-1S-SP with key	RTSB-50-001020
✂ BUDI 1S T equipped with 48 SC-APC adapters & pigtailed + E cable + pigtail support	RTSK-73-124486
BUDI-S-T	RTSB-51-002020
BUDI-M-SP with key	RTSB-53-001020

Mini-OTE 2 (Connected PBOs)

SPLICE PROTECTION RANGE



The PBO is the nerve centre of the subscriber connection.

At the same time close to the customer but also far from the exchanges where only specialists intervene, it is often solicited by multiple interventions of less experienced technicians.

With this in mind, COMMSCOPE has chosen to promote this new range which combines both flexibility and robustness by integrating a consolidation point with waterproof connectors, as close as possible to the subscriber.

FEATURES

- Innovative, compact deployment solution, approx. 2 litres
- Suitable for underground use
- Suitable for overhead applications
- IP 68 waterproof
- 2-4-6-8 SC-APC connectors WATERPROOFS
- Passage topology (5-15 mm)
- Tapping topology (2x 5-10 mm)
- Network Test Point
- Once the product is installed and closed: watertightness and long-term reliability

CAPACITIES

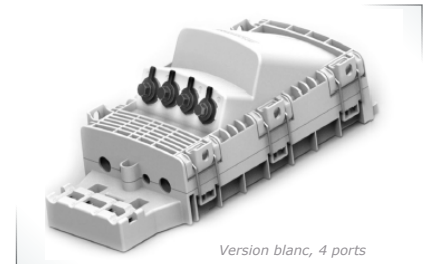
- Up to 24 splices
- Up to 2 x 12 splice trays

DIMENSIONS (mm)

- H 358.5 x L 166 x P 129.3
- Volume : 7.70 L

✂	Mini OTE2 IP68 black + Wall-mounted Mobra with 1 PLC splitter 1:4	RTSB-72-001010A
✂	Mini OTE2 IP68 black + Wall-mounted Mobra with 1 PLC splitter 1:8	RTSB-72-001011A

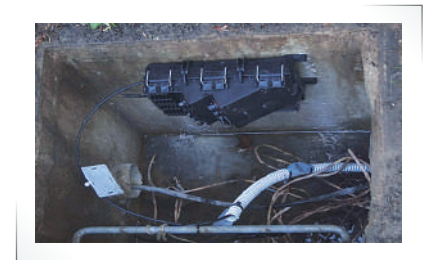
COMMSCOPE®



Version blanc, 4 ports



Version noir, 8 ports



DROP Cable

CONNECTICAL RANGE

The DROP Cable has been designed by COMMSCOPE to be robust in a high stress environment. The connectors have been specially reinforced to withstand extreme temperatures, humidity, UV, chemical exposure and other harsh conditions.

The use of DROP cables with the Mini OTE 2 simplifies the use of splices. The «Plug & Play» solution provides a reliable and durable connection for all network deployments.

FEATURES

- Intuitive and easy connection of Drop Cables to terminals
- Designed for use in all environmental categories: overhead (category A), underground (category G and category S) as defined in IEC 61753-1
- Compatible with standard connectors
- Easy maintenance, without splice breakage, by plugging in the Drop Cable.
- Built to IEC 61755 optical interface standards
- Compatible with SC-APC connectors



Drop Cable DLX 1FO - SC-APC

✂	Drop 1FO DLX IP68 - SC-APC	RTSB-72-006XXXA
	>>> Replace XXX with the desired length : 30, 50, 100 ou 150 m	

- Also available in a version pre-connected to a PTO

✂	Drop 1FO DLX IP68 - SC-APC + PTO 2FO 1 SC-APC adapter	RTSB-72-006XXXB
✂	Round drop G657B3 1FO DLX IP68 - SC-APC + PTO 2FO 1 SC-APC adapter	RTSB-72-104XXXA

>>> Replace **XXX** by the desired length: 30, 50, 100, 150, 200 or 250 m





Optical Terminal Outlet OTO₂

OPTICAL BOX RANGE



The particularity of the PTO2 socket is its simplicity of use thanks to the separation of the fixing area from the coiling and splicing area. The base is dedicated to the functions of fixing, routing and anchoring the cable, while the tray carries all the optical equipment.

With a **capacity of 1 to 4 FO**, it can be fixed with a double-sided adhesive, screwed to the wall, on a flush-mounted box or clipped onto a DIN rail.

FEATURES

- SC Simplex or LC Duplex connection
- G657A2 fiber, length 80 cm, IL < 0.3dB; RL > 55dB
- Colour: white RAL9010
- Wall mounting, double-sided adhesive, flush box or DIN rail mounting
- Several cable entries :
 - 2 on the side for fixing to skirting boards
 - 2 at the top for fixing along the wall
 - 1 at the back for use on flush-mounted boxes
 - 1 at the bottom for external cables with larger diameters
- Coiling and splicing area
- UV1 compliant

DIMENSIONS (mm)

Wall mounting : H 80 x W 83 x D 28

	OTO ₂ 1FO subscriber box with 1 adapter & SC-APC pigtail G657A2	RTSB-73-81311000
	OTO ₂ 2FO subscriber box with 2 adapters & SC-APC pigtails G657A2	RTSB-73-823122000
	OTO ₂ 4FO subscriber box with 4 connections & SC-APC pigtails G657A2	RTSB-73-843144000

>>> Also available as a pre-wired kit



FEATURES

- White cable, LSZH jacket
- Cable diameter: 4.2 mm
- Length 20, 30 or 50 m
- Packed in a friction-optimised reel box

	Pre-wired kit OTO2 1FO with 1 SC-APC connection G657A2	RTSB-73-8131160XX
	Pre-wired kit OTO2 2FO with 2 SC-APC fittings G657A2	RTSB-73-8231270XX
	Pre-wired OTO2 4FO kit with 4 SC-APC connections G657A2	RTSB-73-8431480XX

>>> Replace **XX** with the desired length: 20, 30 or 50 m

Floor Distribution Box (FDB)

OPTICAL BOX RANGE



The floor distribution box provides the connection between the riser cable and the various subscriber connection cables. Installed on the landing inside a technical duct or in an exposed position along the trunking.

BASIC KIT INCLUDES

- 1 base and 1 cover
- 4 reinforced clamps
- 1 spirit level
- 1 anti-dust foam for starters
- 2 foam combs for holding the modules

FEATURES

- 48 splices capacity
- Possibility to lock the box with a lead or a collar
- Right or left hand cable entry without adaptation
- Dimensions : 205 x 150 x 50 mm

Floor distribution box (FDB) 48 splices - without trays	RTSB-70-001802
12-merge tray G657A2	RTSB-70-002000

Modular ENTI 1,2 FO

OPTICAL TERMINAL RANGE

The ENTIs in modular format have been designed to fit perfectly into the different ranges of communication boxes on the market.

The combination with a strippable cable is suitable for use in individual houses. The modular DTIO is installed in the communication box and the cable is pulled through the conduit to the demarcation point (PDO) at the plot boundary.

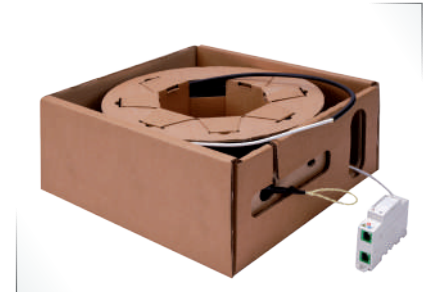
FEATURES

- Dual purpose cable: a sheath adapted to external constraints covers the white inner sheath
- Equipped with SC/APC bushings with internal laser and dust protection
- Complies with the latest ORANGE requirements
- Singlemode fiber G657A2
- 1 cable entry on top
- DIN rail mounting
- Inner sheath: LSZH / outer sheath: Polyethylene
- Inside cable outer Ø: 3 to 4 mm / Outside cable outer Ø: 5 to 6 mm
- Dimensions DTIO 1 and 2 FO : 18 x 88 x 60 mm

CAPACITIES

- 1 or 2 optical fibers

KIT ENTI unopreco 1FO SC-APC - ext/int PE+LSZH - 30m - GO250	RTSB-73-483111030
KIT ENTI unopreco 1FO SC-APC - ext/int PE+LSZH - 50m - GO251	RTSB-73-483111050
KIT ENTI unopreco 1FO SC-APC - ext/int PE+LSZH - 100m - GO252	RTSB-73-483111000
KIT ENTI unopreco 2FO SC-APC - ext/int PE+LSZH - 30m - GO263	RTSB-73-483122030
KIT ENTI unopreco 2FO SC-APC - ext/int PE+LSZH - 50m - GO264	RTSB-73-483122050
KIT ENTI unopreco 2FO SC-APC - ext/int PE+LSZH - 100m - GO265	RTSB-73-483122100
KIT ENTI duopreco 1FO SC-APC - ext/int PE+LSZH - 50m - GO272	RTSB-73-483211050
KIT ENTI duopreco 1FO SC-APC - ext/int PE+LSZH - 100m - GO273	RTSB-73-483211100



Allow for an extra 3m of cable when selecting the kit (extra length to be left in the PDO)

Building Transition Box (BTBI)

OPTICAL BOX RANGE

This compact and robust product is used to make a transition from an outdoor cable to one or more riser cables. It is available in 36, 72 and 144 splice capacities.

FEATURES

- Combines the use of a BTI and a PBI for the connection of 6 subscribers
- High resistance to dust, moisture and shock IP55/IK09
- Number of customer connection cables: 6
- Number of column cable entries:
 - 36 FO: 5 entries (4 entries up to Ø 9 mm / 1 entry up to Ø 13 mm)
 - 72 FO: 7 entries (6 entries up to Ø 10 mm / 1 entry up to Ø 15 mm)
 - 144 FO : 7 inputs (1 input up to Ø 16 mm / 2 inputs up to Ø 15 mm / 4 inputs up to 13 mm)
- Equipped with the Distri-Protect system which protects the distribution cables during connection
- E@sy'Scure® anchoring system

DIMENSIONS (mm)

- 36 FO box: 322 x 192 x 67
- 72 FO / 144 FO Case: 352 x 232 x 77

Transition and Connection Box Building 36 FO	RTSB-70-001936
Building Transition and Connection Box 72 FO	RTSB-70-001972
PBO-L144 IP55_ss K7_8 Easy Secure 2x S6-16+2x S6x15+4x S6-11	RTSB-70-004040





Aerial distribution box for splicing

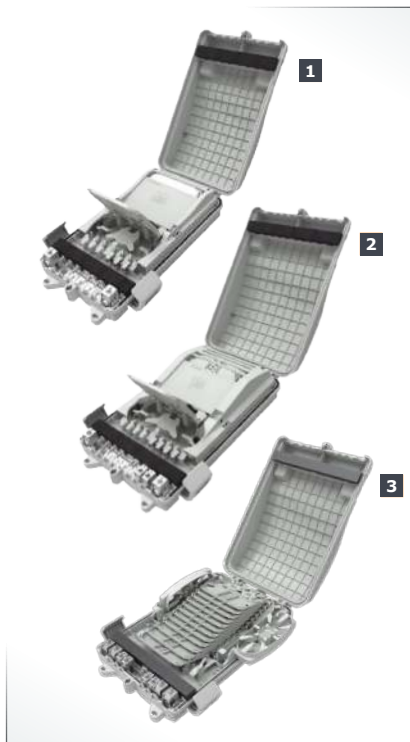


OUTDOOR OPTICAL HOUSING RANGE

The aerial distribution box (ADB) is the junction between the distribution cables and the connection cables of an FTTH network. It can be installed on a pole or on a facade. The pre-connectorized version allows the distribution section to be terminated on a connector, to facilitate its acceptance. It also allows a faster connection of subscribers without the need for a splicer machine.

FEATURES

- Distri-Protect: partitioning of the distribution fiber management area
- Compatible fiber : G657A2 single mode / Pigtailed Grade B1
- Equipped with the E@sy'Secure bar to anchor cables securely (NF EN 61300-2-4)
- Resistance values for the E@sy'Secure system :
 - Tensile strength: >80 D for HDPE sheaths / 10 D for LSZH sheaths (Example for a 15mm Ø HDPE cable, tensile strength > 1200N)
 - Torsional strength : ± 90
 - Bending strength : ± 30
- Compatible fiber type : Single mode G657A2
- IP55 / IK09 protection on wired products
- Closing system : Triangle key + 2 clips
- UV resistant material
- Color: Grey RAL 7035
- Fastening by screw or lag bolt on the front (3 screws Ø 6mm), by bolt on omega fitting or by strap on post
- Dimensions 2,2L (mm) : 213 x 192 x 67 / 3,4L : 346 x 232 x 77

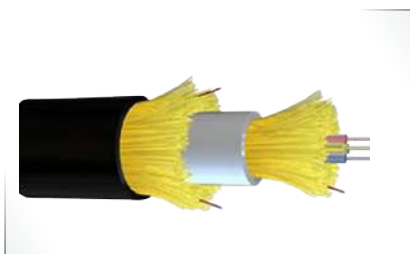


ADB S Distri-protect - 1 tray 6 customers E@sy'secure	RTSB-70-004012	1
ADB S Distri-protect - 1 tray 12 customers	RTSB-70-004020	
ADB S S Distri-protect - 4 trays 10 customers + 1 by-pass 24FO	RTSB-70-004022	2
Distri-Protect cover for ADB-S	RTSB-70-004025	
ADB M Distri-protect - 4 trays 6 customers E@sy'secure + E@sy'secure by-pass	RTSB-70-004113	
ADB M Distri-protect - 1 tray 12 customers + E@sy'secure by-pass	RTSB-70-004130	
ADB M Distri-protect - 6 trays 12 customers + E@sy'secure by-pass	RTSB-70-004132	
Distri-Protect cover for ADB-M	RTSB-70-004135	
ADB L Distri-protect - 144FO - 1 tray 8 customers E@sy'secure	RTSB-70-004040	3
ADB L Distri-protect - 144FO - 12 trays 4 customers E@sy'secure	RTSB-70-004053	

Connection cable strippable

OPTICAL CONNECTION RANGE

This special indoor/outdoor cable meets all the requirements for the deployment of an FTTH network: small diameter, low weight, high tensile strength and easy stripping.



FEATURES

- G657A2 fiber in manually strippable micromodules
- LSZH jacket suitable for indoor/outdoor installation
- Crush resistance: 800N/dm
- Torsion resistance: 360°/m
- Euroclass : Dca-S2,c2,a1

DIMENSIONS (mm)

- Outside diameter of inner cable: 4 mm
- Outside diameter of outer cable: 6 mm

Cable µSheath G657A2 PE+LSZH MA 1FO - 6/4 mm - T500m	CTSB-03-302001M-50
Cable µSheath G657A2 PE+LSZH MA 2FO - 6/4 mm - T500m	CTSB-03-302002M-50
Cable µSheath G657A2 PE+LSZH MA 2FO - 5.4/3 mm - T1000m	CTSB-13-302002M100

Riser cables Modulo 4 and 6

RISER CABLE RANGE

The riser cabling is designed for the cabling of optical risers in buildings. It is connected to the building shared access point and its structure allows for the extraction and re-linking of modules in the floor connection points.

FEATURES

- Fiber type: Single mode G657A2
- Crush resistance: 1000N/dm
- Static bending radius: 15D
- Dynamic bending radius: 20D
- Torsion resistance: 125D, 40N, 10 cycles
- Available in factory pre-connected modulo 4 cable

SPECIAL FEATURES

- Compact, lightweight and robust cabling
- Intuitive fiber routing
- 50% pre-connectorisation is available (yellow and red fibres) on a range of cables from 24FO to 144FO
- Quick and seamless installation for the pre-connected option

Riser cable M6 G657A2 LSZH YY FO - 1000m	CTSH-33-2460YYM-T1	1
Riser cable M4 G657A2 LSZH YY FO reco SC-APC 50% - 100m	CTSH-23-2460YYM100	2
Riser cable M4 G657A2 LSZH 96FO pre-co SC-APC 50% - 100m	CTSH-23-246096M100	

>>> Replace **YY** with the desired number of FO: 12, 24, 48 or 72FO



Ringed sheath Ø18i

OPTICAL ACCESSORY RANGE

The splice sheath is used in the chamber to protect and identify cables in transit. It is available in several colours, depending on the network owner. This split sheath is made of PVC and has good resistance to chemical aggression and UV.

FEATURES

- Outside / inside diameter: 22.7 / 18 mm
- Material: PVC
- Crush resistance: 320 N over 5 cm at 23°C
- Impact resistance: 2 Joules at 5°C
- Fire behaviour: Self-extinguishing
- Longitudinal slot for easy cable insertion
- Spiral reinforcement to ensure good compressive strength
- 30 metre coils
- Normative references: NF EN 61386-1 and NF EN 61386-23

Sheath Ø18i WHITE PVC slit ringed - 30 m coil	PTXX-01-000120B
Sheath Ø18i BLUE PVC slit ringed - 30 m coil	PTXX-01-000123B
Sheath Ø18i GREEN PVC slit ringed - 30 m coil	PTXX-01-000118B
Sheath Ø18i BLACK PVC slit ringed - 30 m coil	PTXX-01-000124B
Sheath Ø18i ORANGE PVC slit ringed - 30 m coil	PTXX-01-000122B
Sheath Ø18i YELLOW PVC slit ringed - 30 m coil	PTXX-01-000126
Sheath Ø18i VIOLET PVC slit ringed - 30 m coil	PTXX-01-000127
Sheath Ø18i GREY PVC slit ringed - 30 m coil	PTXX-01-000128



Compatibility of BPE-O inputs

SPLICE PROTECTION RANGE

C : compatible S S4-12
E : compatible S S5-18
1 : requires D D6-18

		EOC straight seal		Primary div. CDP		Connection EDP		Branch FDP		Drops FDP		FDP Branch		FDP Drops		Primary div. CDP		Secondary div. EDP		Distribution BDP		Primary div. CDP		Secondary div. EDP		Distribution BDP	
		1		2		3		4		5		6															
		BPEO T0		BPEO T1		BPEO T1.5		BPEO T2		BPEO T3																	
	ECAM Simple	S3-7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		S3.5-9.5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		S4-12	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		S5-18	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		D6-18	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	ECAM Double	D6-9	●(1)	●	●	●	●(1)	●(1)	●(1)	●(1)	●(1)	●(1)	●(1)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		D9-12	●(1)	●	●	●	●(1)	●(1)	●(1)	●(1)	●(1)	●(1)	●(1)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		D12-15	●(1)	●	●	●	●(1)	●(1)	●(1)	●(1)	●(1)	●(1)	●(1)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		D15-18	●(1)	●	●	●	●(1)	●(1)	●(1)	●(1)	●(1)	●(1)	●(1)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		D5-20	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	ECAM Extended	D12 - 12x1.5mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		D18 - 7x5.5mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		D12 - 10x2mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		D12 - 4x4mm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Integrated wall bracket	NC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Wall mount and pole kit V2 for T1	NC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	V2 wall mount kit for T2 and T3	NC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Optical capacity	48 FO	144 FO				144 FO				336 FO				576 FO												
	Volume in litres	< 2 L	4.8 L				5.6 L				17.3 L				23.8 L												
	Permissible cable diameters	3 to 18 mm	3 to 20 mm				3.5 to 18 mm				4 to 27 mm				4 to 27 mm												
	Length x width x depth (mm)	240 x 230 x 90	340 x 205 x 92				240 x 230 x 90				520 x 341 x 149				661 x 341 x 149												
	Nb of PAS	4	12				12				28				48												
			BPEO T0		BPEO T1				BPEO T1.5				BPEO T2				BPEO T3										

(1) Requires a body for ECAM Double D6-18

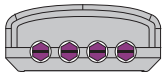
BPE-O T0



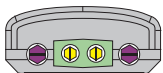
- BPEO T0** (2 possible configurations)
- 1 Dual port for dual ECAM Body
 - 2 Single ports for ECAM Ø3.5-9.5 (S9.5)
 - 12 Single ports for ECAM Ø3-7 (S7)
- Or
- 2 single ports for ECAM Ø4-12 (S12)
 - 2 single ports for ECAM Ø3.5-9.5 (S9.5)
 - 12 single ports for ECAM Ø3-7 (S7)

BPE/O EVOL T0 4 pas 12 S3-7+2 S3.5-9.5+1 D6-18 **RTSB-01-200000**

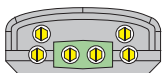
BPE-O Taille 1



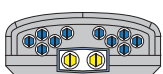
- EOC straight seal**
- 4 single ports for ECAM Ø5-18 (S18)



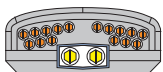
- Primary div. CDP** (2 possible config.)
- 1 Dual port for ECAM PAS Ø5-20 (D20)
 - 2 Single ports for ECAM Ø5-18 (S18)
- Or
- 2 Single ports for ECAM Ø4-12 (S12)
 - 2 Single ports for ECAM Ø5-18 (S18)



- Secondary div. EDP** (2 possible config.)
- 1 Dual port for ECAM PAS Ø5-20 (D20)
 - 4 Single ports for ECAM Ø4-12 (S12)
- Or
- 6 Single ports for ECAM Ø4-12 (S12)



- FDP Branch** (2 possible config.)
- 1 Dual port for dual ECAM body
 - 10 Single ports for ECAM Ø3.5-9.5 (S9.5)
- Or
- 2 Single ports for ECAM Ø4-12 (S12)
 - 10 Single ports for ECAM Ø3.5-9.5 (S9.5)

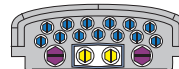


- FDP Drops** (2 possible config.)
- 1 Dual port for dual ECAM body
 - 16 Single ports for ECAM Ø3-7 (S7)
- Or
- 2 Single ports for ECAM Ø4-12 (S12)
 - 16 Single ports for ECAM Ø3-7 (S7)

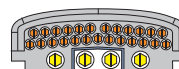
BPE/O EVOL T1 EDP 12 pas 4 ports D4-12+1 D20 **RTSB-01-500000**

BPE/O EVOL T1 FDP Branch 12 pas 10 X S3.5-9.5 **RTSB-01-600020**

BPE-O Taille 1.5



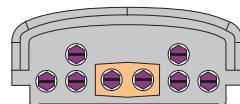
- FDP Branch** (2 possible config.)
- 1 Dual port for dual ECAM body
 - 2 Single ports for ECAM Ø5-18 (S18)
 - 13 Single ports for ECAM Ø3.5-9.5 (S9.5)
- Or
- 2 single ports for ECAM Ø4-12 (S12)
 - 2 single ports for ECAM Ø5-18 (S18)
 - 13 single ports for ECAM Ø3.5-9.5 (S9.5)



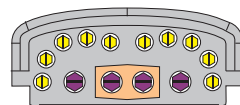
- FDP Drops** (2 possible config.)
- 1 Dual port for dual ECAM body
 - 2 single ports for ECAM Ø4-12 (S12)
 - 25 single ports for ECAM Ø3-7 (S7)
- Or
- 4 single ports for ECAM Ø4-12 (S12)
 - 25 single ports for ECAM Ø3-7 (S7)

BPE/O EVOL T1.5 Branch 12 pas 2 S18+13 S3.5-9.5+1 D6-18 **RTSB-01-300000**

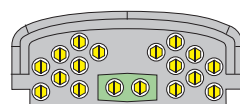
BPE-O Taille 2 and 3



- Primary div. CDP** (2 possible config.)
- 1 Dual port for ECAM PAS Ø5-27 (D27)
 - 6 Single ports for ECAM Ø5-18 (S18)
- Or
- 8 Single ports for ECAM Ø5-18 (S18)



- Secondary div. EDP** (2 possible config.)
- 1 Dual port for ECAM PAS Ø5-27 (D27)
 - 2 Single ports ECAM Ø5-18 (S18)
 - 10 Single ports ECAM Ø4-12 (S12)
- Or
- 4 single ports for ECAM Ø5-18 (S18)
 - 10 single ports for ECAM Ø4-12 (S12)



- BDP Distribution** (2 possible config.)
- 1 dual port for ECAM PAS Ø5-20 (D20)
 - 16 Single ports for ECAM Ø4-12 (S12)
- Or
- 18 Single ports for ECAM Ø4-12 (S12)

BPE/O EVOL T2 EDP 28 pas 2 S18+10 S12+1 D27 **RTSB-01-000021**

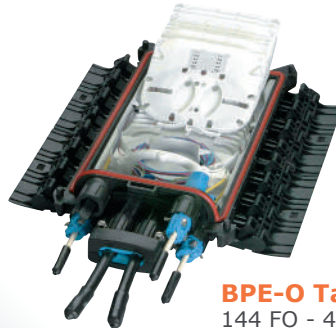
BPE/O EVOL T3 EDP 48 pas 2 S18+10 S12+1 D27 **RTSB-01-000051**

BPE-O Range

GAMME PROTECTION D'ÉPISURES



BPE-O Taille 0
48 FO - 2 liters



BPE-O Taille 1
144 FO - 4.8 liters



BPE-O Taille 1.5
144 FO - 5.6 liters



BPE-O Taille 2
336 FO - 17.3 liters



BPE-O Taille 3
576 FO - 23.8 liters

	BPE/O T0 equipped with ECAM Connect C1 3M + double entry 9-12 + 8 connect. SC-APC	RTSK-91-013003
	Kit BPEO T0 + 2 trays + 1 ECAM D6-18/D6-9 + Smouv	KFA-KB00-K10000N2
	Kit BPEO T1 CDP + 3 trays + 2 ECAM 5-18 + Smouv + Fixation	KGC-KC00-D20000Y2
	Kit BPEO T1.5 FDP Br. + 12 trays 9FO + 1 x ECAM D9-12/6-18 + 5 x ECAM S3.5-9.5	KHA-SL00-L1E500N2
	Kit BPEO T2 EDP 28 trays + 1 x ECAM D5-27 + 10 x ECAM S4-12 + 2 x ECAM S5-18 + Fixation	KIB-AS00-B1CJD2Y2

>>> The kits can be made according to your needs: ask us for advice!

Accessories

All accessories for the TENIO can be integrated into our kittings, ask us for advice !

Kit wall fixing or pole for BPE-O T1 - plastic version	RTSB-01-000003	1
Kit wall fixing or pole for BPE-O T2/T3 - plastic version	RTSB-01-000008	

	ECAM Double D5-20	RTSB-01-000154	2
	ECAM Double D5-27	RTSB-01-000155	3
	Empty ECAM body - Mechanical ECAM - double entry D6-18	RTSB-01-000160	
	Cable entry kit 6 to 9 mm for ECAM D6-18 body	RTSB-01-000161	
	Cable entry kit for 9 to 12 mm cables for ECAM D6-18 body	RTSB-01-000162	
	Cable entry kit 12 to 15 mm for ECAM D6-18 body	RTSB-01-000163	
	Cable entry kit 15 to 18 mm for ECAM D6-18 body	RTSB-01-000164	

	ECAM Simple S4-12	RTSB-01-000151	4
	ECAM Simple S5-18	RTSB-01-000152	5
	ECAM Simple S3,5 - 9.5 - Single Entry for cable from 3.5 at 9,5 mm (individual bag)	RTSB-01-000124	
	ECAM Simple S3 - 7 - Single Entry for cable from 3 at 7 mm (individual bag)	RTSB-01-000125	
	ECAM extended D12 - Single Entry for 4 x cables of 4 mm max	RTSB-01-000119	6
	ECAM extended D18 - Single Entry for 7 x cables of 5,5 mm max	RTSB-01-000120	

Tray 12 Fusions 1PAS for BPE-O-2	RTSB-01-100160	7
Tray 1 PAS 2 x 6 splices bi-zone G657	RTSB-01-100176	
Tray 12 universal splices 2PAS for BPE-O-2	RTSB-01-100163	8





RFO Range

OPTICAL SPLITTER RANGE

TETRADIS offers you a complete optical distribution farm including the elements of the 3M RFO product range.

Including the optical distribution frame, cable terminal, splicing/patching modules and additional accessories for an optimal optical frame.

OPTICAL DISTRIBUTION FRAME RFO NG II

The optical distribution farms are intended for the creation of new splitters or to allow the optimization or the extension of existing splitters.

It consists of an aluminium profile beam on which 6, 8 or 11 cable terminal, depending on the model, through the studs pre-positioned at the factory on the front of the profile.

The rings fixed by screws and nuts or directly clipped on the profile beam, are used to guide the cables, jumpers and cords in their vertical or horizontal path.

The labels provided in the kit will allow the identification of the frames and cable heads.

FEATURES

- Vertical rings with curved legs
- Triple drum with increased openings
- Delivered complete and partially assembled
- Minimum weight and dimensions

Frame RFO NG II - 6 levels 2 meters

RTST-01-001011

CABLE TERMINAL

The pre-wired modular cable terminal is mounted on a 6, 8 or 11 level farm.

With a capacity of 144 FO, it integrates a stowage and cable splitting device.

FEATURES

- Swivel tray marked with a label numbered from 1 to 12
- Coiling zone accepting up to 2x1.6 meters of protection tubes
- Guides for holding the patchcords
- Lateral guides

Cable terminal RFO NG II - 12 trays without module

RTST-01-002020B

OPTICAL MODULE

Left axis module pre-equipped with 12 Pigtails (250 µm) with 2 configurations to choose from:

- G657A2 SC/APC
- G652 D SC/APC

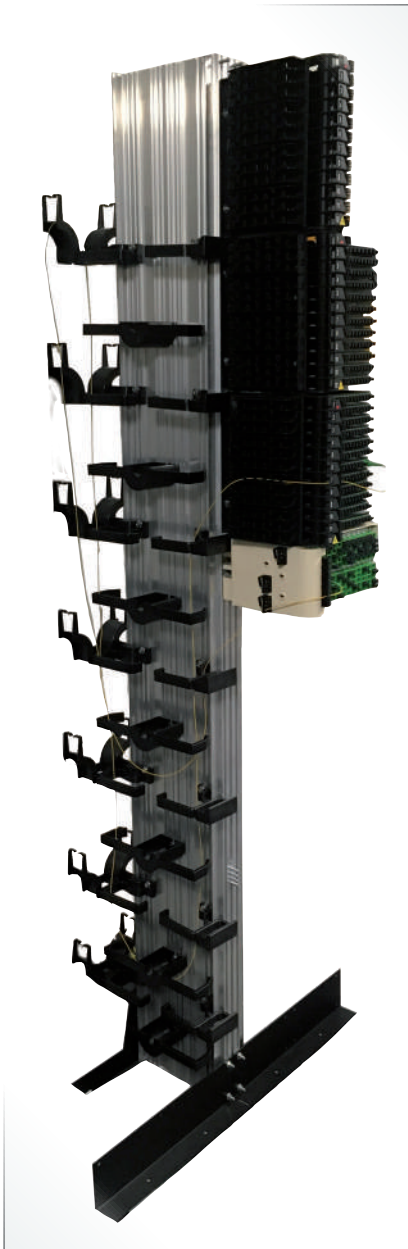
This module is mounted on a left axis chassis consisting of 12 trays.

FEATURES

- Hanging the protection tube of the fiber micro-module from the burst device,
- Management of fiber overlengths, 1 meter storage capacity for each of the 12 fibers,
- Storage rack for 12 fusion splices
- Front equipped with 12 SC / APC adapters

Module RFO-NG preco. 12 SC-APC - adapters + pigtails G657A2

RTST-01-001041



PBPO Range

OPTICAL BOX RANGE

Floor Distribution Box with external drops.

The landing distribution box is the interface between the riser cable and the subscriber branch cables.

It can be installed on standard cables and on cables with tight stitching.

This box has a vertical cable passage zone with double stowage to the right and left of the coiling zone.

A coiling zone for fibers and micromodules in passage or in standby. A 4 PAS organizer ramp that can be positioned on the right or left, depending on the cable passage. Possibility of having up to 4 trays thickness 5mm, for 12 splices by fusion by tray.

FEATURES

- Compact box, sliding opening
- Symmetrical housing
- Double anchorage of the main cable
- Large coiling zone for micromodules or fibers
- BPEO Evolution 4-step organizer for 4 trays
- IP 40 and IK 08

SPECIAL FEATURES

- Surface and riser mounting
- Right or left hand riser cable entry
- Stretched cable mounting, standard cable in connection with two cables
- Management of unsheathed fibers, no scrapping
- Wide possible combination of trayscapac

CAPACITIES

- From 12 to 48 FO, depending on model

DIMENSIONS (mm)

- Without cover : H 204 x W 150 x D 50
- With cover : H 300 x W 150 x D 50



✂	PBPO 9/125 equipped with 2 adapters & pigtails SC-APC G657	RTSK-71-022002A
✂	PBPO 9/125 equipped with 12 adapters & pigtails SC-APC G657	RTSK-71-024012A

PBPO-C

FEATURES

- PBPO with adapter plate for SC-PC simplex or LC-PC duplex
- Compatible only with G657 fiber

CAPACITIES

- 16 SC Simplex or LC Duplex ports

✂	PBPO-C with connectors equipped with 8 adapters SC-APC + splitter PLC 1:8	RTSK-91-013002
✂	PBPO-C 62.5/125 equipped with 12 adapters and pigtails SC-PC	RIMK-70-020012
✂	PBPO-C NG 50/125 equipped with 12 adapters and pigtails SC-PC	RIMK-71-020012
✂	PBPO-C 9/125 equipped with 12 adapters and pigtails SC-APC	RIMK-71-024012



CORNING

UGC Range

FIBER CLOSURE RANGE

The UGC range is the first of a new generation of fiber closure, developed to provide maximum protection with minimum installation time. Simple to install with a limited number of accessories, this makes the UGC the fastest and most environmentally friendly fiber closure for non-pressurized telecom networks.

The UGC range consists of 3 versions that cover almost all applications and can be extended to others with a small number of accessories.

FEATURES

- Waterproof gel fiber closure
- Installation without special tools
- Simple design with patented closing mechanism for quick, easy and reliable opening/closing
- Hinged box for easy handling and high mechanical strength
- Outdoor, underground or overhead use: can be buried, pole or wall mounted
- Two cable entries on each side for splice or branch installation
- Accommodates up to 100 pairs for UGC size 1 and 200 pairs for size 2 (depending on conductor size and cable diameter)
- Accepts cables up to 21 mm for UGC size 1 and 29 mm for size 2 (cut and uncut cables)

BASIC KIT INCLUDES

- UGC fiber closure
- Clamp (6 for UGC size 1 / 8 for size 2)
- Measuring tape
- Cleaning wipe
- Plastic film
- 2 to 4 gel inserts depending on the version
- Branching plugs 2 outputs (3 pcs) or 4 outputs (2 pcs) depending on the version

CAPACITIES

- Size 1: up to 100 pairs
 - Maximum number of entries/outputs : 2
 - Ø entry/ output : up to 21 mm
- Size 2: up to 200 pairs
 - Maximum number of entries/outputs : : 2
 - Ø entry/ output : up to 29 mm

DIMENSIONS (mm)

- Model size 1 :
 - Inside dimensions : H 200 x W 75 x D 50 mm
 - Outside dimensions : H 380 x W 135 x D 70 mm
 - Weight : 1.5 kg
- Model size 2 :
 - Inside dimensions : H 400 x W 83 x D 83 mm
 - Outside dimensions : H 630 x W 160 x D 125 mm
 - Weight : 3.05 kg



UGC size 1 to 4 outputs - NCLSE-OR-1-4	RTSB-70-200104	1
UGC size 1 to 8 outputs - NCLSE-OR-BDR	RTSB-70-200108	1
UGC size 2 up to 4 outputs - NCLS2-OR-1-4	RTSB-70-200204	2

OSLC Range

FIBER CLOSURE RANGE

This small fiber closure is designed for underground, overhead (pole or facade) and indoor installation. It holds 2 fusion splices (45 mm length) or 1 Fibrlok™ 2540G mechanical splice.

Its reduced volume allows it to be compatible with the bending radius of the G657 fiber. It allows to protect the splice of 2 branch cables type L1082-L1083-L1084 in line or in termination.

FEATURES

- Small volume for discreet splice protection
- External cable diameter: from 3.8 mm to 6.2 mm
- Waterproofing: IP68
- Shock resistance: IK08
- Cable anchoring with plastic ties to improve the robustness of the assembly and secure the sealing
- Fully mechanical splice protection
- Instructions for use are available on smartphone by scanning the QR code

CAPACITY

- 2 FO

DIMENSIONS (mm)

- 150 x 52 x 50 mm
- Weight : 125 g

Sleeve for G657 OSLC 2FO - 150*52*50 mm IP68

RTSB-70-200050



NPC Jacketed Connector

OPTICAL CONNECTOR RANGE

The JKT NPC connector technology is very simple and reliable. It is based on the Fibrlok™ mechanical technology. By lowering the lever on the assembly tool, the cover closes the metal «V» element which aligns and holds the fibers.

FEATURES

- The NPC SC JKT connector is quick and easy to install in the field
- Ideal for indoor and outdoor sites and RoHS compliant
- Contains a movable cover for splice locking
- Compatible cables :
 - Circular from Ø1,6 mm to Ø3 mm
 - Interior pulling cables with reduced friction coefficient 1,6x2 mm
 - External pulling cables with reduced friction coefficient 2x3 mm
 - Tight structure fiber
 - Semi-tight or loose fiber structure using tool 8865 JT

Connector with fiber NPC SC-APC FS JKT SM 9/125

RTSR-24-000430





MDUO/C Range

OPTICAL BOX RANGE

The Floor Distribution Box or district box for 12, 24, 40 or 48 subscriber connections. Allows the interface between the network and the service.

FEATURES

- Versatile indoor/outdoor product
- Degree of protection: IP55 / IK06
- Materials: Thermoplastic
- Colors : (Other colors on request)
 - Cover light grey RAL 7035
 - Base dark grey RAL 7037
- Hinged and removable lid
- Available in 3 depths: 86, 116 and 156 mm
- Reduced dimensions and thickness
- Organizer and trays BPE-O Évolution
- Dielectric strength for fixing on common supports : Higher than 4 kV
- Cable entry in the lower part
- Possibility of cables in passage
- Mooring and sealing for 1 to 2 service cables and 16 subscriber drops

SPECIAL FEATURES

- Prewiring in the factory
- Pigtails are marked at both ends
- Pigtails waiting in the trays
- Pigtail ends prepared at 250 µm
- Rack for storing unused pigtails
- Assembly / Installation:
 - Wall: 4 x 6 mm screws (not included)
 - Post: strap (20 x 7 mm) on 2 supports (see accessories)

CAPACITIES

- Up to 144 adapters per fusion and 48 connector bases


DIMENSIONS (mm)

- MDUO 12 (BDX3000 T2B) :
H 400 x W 255 x D 86
- MDUO 24 (BDX3000 T2M) :
H 400 x W 255 x D 116
- MDUO 48 (BDX3000 T2H) :
H 400 x W 255 x D 156



✂	MDUO 12 - 9/125 equipped with 12 adapters SC-APC	RTSK-71-224012
✂	MDUO 12 - 9/125 equipped with 12 adapters LC-PC duplex	RTSK-71-280024
✂	MDUO 24 - 9/125 equipped with 12 adapters & pigtails SC-APC	RTSK-71-324012
✂	MDUO 24 - 9/125 equipped with 24 adapters & pigtails SC-APC	RTSK-71-324024
✂	MDUO 48 - 9/125 equipped with 40 adapters & pigtails SC-APC	RTSK-71-324040 1

Accessories

 All accessories for the MDUO/C can be integrated into our kitting, ask us for advice!

Tray 1 PAS 12 splices	RTSB-01-100160
Tray 2 PAS 12 splices + 1 splitter	RTSB-01-100162
Tray 2 PAS universal 12 splices	RTSB-01-100163

Installation support for MDUO (x 2)	RTSB-70-000029
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Ellipse Inverters Range

ELECTRICAL EQUIPMENT PROTECTION RANGE

Eaton's inverters provide reliable, high-quality backup power for everything from network cabinets and server rooms to shared and corporate datacenters.

ELLIPSE ECO INVERTER

FEATURES

- Extra flat format for easy installation
- IEC 61643-1 compliant
- ECoControl function ensures up to 25% energy savings
- Available with: 4 sockets (500/650/800 models) or 8 sockets (1200/1600 models) (1200/1600 models) or 8 sockets (1200/1600 models) French, European (DIN) or IEC

SPECIAL FEATURES

- Unlimited warranty for connected equipment (EU countries)
- Periodic and automatic battery self-test that detects a potential battery problem before it occurs

POWER

- De 500 VA / 300 W à 1600 VA / 1000 W

DIMENSIONS (mm)

- Models 500 / 600 / 650 USB / 800 USB :
H 263 x W 81 x D 235 mm
- Models 1200 USB / 1600 USB :
H 305 x W 81 x D 312 mm

Ellipse inverter ECO- FR - 230VAC - 1200VA USB

REAX-10-000120



ELLIPSE PRO CONVERTER

FEATURES

- Line interactive inverter for the protection of workstations running demanding applications
- LCD display for real-time status and measurement display
- ECoControl function ensures up to 25% energy savings
- Compatible with IEC 61643-1
- Line-Interactive technology with automatic voltage regulation (AVR) instantly corrects voltage fluctuations and avoids frequent battery drain
- Available with: 4 (models 650/850) or 8 (models 1200/1600) French (FR) IEC or European (DIN) plugs

SPECIAL FEATURES

- Unlimited warranty on connected equipment (EU countries)
- Periodic and automatic battery self-test that detects a potential before it occurs
- 3 year warranty, including batteries

DIMENSIONS (mm)

- Models 650 USB / 850 USB :
H 260 x W 82 x D 285 mm
- Models 1200 USB / 1600 USB :
H 275 x W 82 x D 390 mm

Ellipse inverter PRO - FR - 230VAC - 650VA USB

REAX-10-000065

Ellipse inverter PRO - FR - 230VAC - 850VA USB

REAX-10-000085





Measuring instruments

FIBER OPTIC MEASUREMENT RANGE

EXFO is the world leader in portable optical solutions. With 40% of revenues generated by products less than 2 years old, EXFO shows its commitment to innovation.



Optical Explorer OX1

Fibre optic multimeter for link verification and integrated fault detection. It speeds up deployment, simplifies activation procedures and improves repair reliability.



Fiber Guardian

Solution de test évolutive pour la surveillance et la gestion d'un réseau fibre, d'une unité autonome à des systèmes gérés centralement avec une ou plusieurs centaines de ports de test.



MaxTester OTDR

Reflectometer for short range, FTTx or point-to-point access networks. Can operate as a conventional reflectometer or in iOLM mode for detailed link analysis automatically.



FTB-1 iOLM

Portable modular platform optimised for fast, powerful and dedicated FTTH or Ethernet testing.

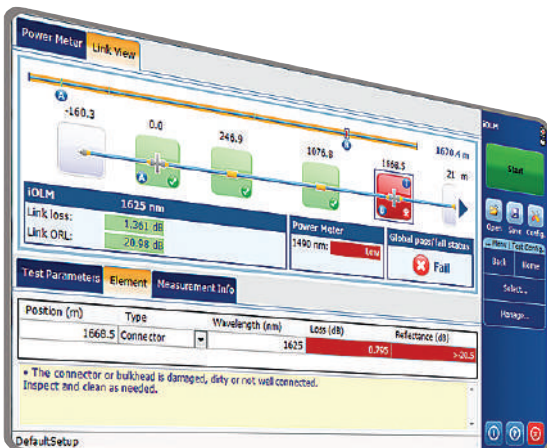


FTB-2 PON iOLM

Compact, high-end platform for multi-network, multi-technology and multi-service testing.

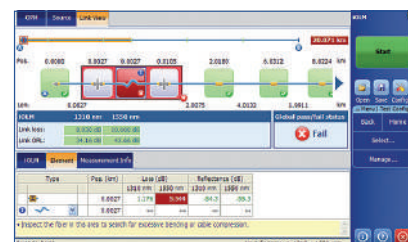
Optical Explorer OX1 Multimeter	Consult us
MaxTester OTDR	Consult us
Kit FTB-1 iOLM with FTB730 module + Fast reporter + FIP-430B video probe + warranty extension	MTSI-15-100001
EXFO FTB-200 modular compact platform with colour touch screen	MTSI-12-000200
Fiber Guardian	Consult us

iOLM : FO certification in one step



No more configuration of parameters and complex OTDR trace analysis.

The iOLM dynamically adapts to any fiber link and correlates multi-pulse widths across many wavelengths to help you locate and identify defects with maximum resolution.



Video inspection FIP-430B

FIBER OPTIC MEASUREMENT RANGE

The FIP-430B is a digital video analysis and inspection probe that can detect dirty or damaged connectors with unmatched accuracy. The auto-focus function of the new FIP-430B not only facilitates inspection, but also allows for optimised focus adjustment to ensure detection of any defects that may affect connector performance.

FEATURES

- Fully automated one-step process:
 - Automatic detection of the fiber connection
 - Automatic image centring
 - Automatic focus adjustment and optimisation
 - Automatic image capture
 - Automatic pass/fail analysis
 - Automatic report generation
- Optimal digital image quality with three zoom levels
- Compatible with ConnectorMax2 analysis software
- Pass/fail DEL indicator for immediate diagnosis of connector status
- Compatible with all connector types, both UPC and APC versions
- Elongated shape for easy work in patchbays
- Compatible with Exfo test instruments
- USB adapter (PC connection) or independent display
- Compatible with the entire FTB ecosystem, the MaxTester 700B range of reflectometers, the MAX-FIP display and desktop and laptop computers
- Robust and lightweight, perfect for field testing

APPLICATIONS

- FTTx and hybrid networks
- Wireless (FTTA) and terrestrial networks
- Distributed antenna system
- Computer centers
- Private and campus networks
- Research and laboratory applications



FIP-430B - Video probe FIP-430B (Auto Focus)

MTSI-14-801430

Optical inspection probe

FIBER OPTIC MEASUREMENT RANGE

With the P5000i, it is quick and easy to certify that every optical connection in your network is optimised.

This optical connector inspection microscope eliminates misinterpretation and provides an objective and reliable pass/fail result. This ensures that your network provides an optimal user experience.

FEATURES

- Automatic PASS/Fail analysis removes subjectivity from the measurement process
- User configurable compliance profiles allow certification to be based on any criteria
- Includes FiberChekPRO™ software for analysis and reporting from a PC/laptop
- Fiber is always centered on the screen with automatic image centering
- Dual magnification allows alternating between high and low magnification, both in real time and during analysis
- Compatible with SmartOTDR, MTS-2000 / 4000 / 5800 / 6000A / 8000v2, HST-3000, SMARTClass™ Fiber, Certifier40G, DSAM and CellAdvisor via USB port without the use of an adapter or additional software
- Compatible with Android™ tablets/smartphones with the FiberChekMOBILE app (available on Google Play). FiberChek MOBILE allows you to inspect and certify optical connectors to industry standards directly from the mobile device. The application also allows to measure the optical power.



P5000i Digital Probe Pack + Software + 7 adapters + bag

MTSI-11-000151



Optical splicers

FIBER OPTIC TOOLING RANGE

Fujikura's fusion splicing technology is the guarantee of an integrated, high-performance and durable optical connection. To meet the needs of the various markets, Fujikura has developed three products of excellence in their respective fields.

FSM 41S

- Versatile
- Dynamic fibre alignment in 3 axes
- Storage of the last 10,000 welding results in memory
- Cleavage length from 5 mm to 16 mm
- Viewing method / magnification: 2 CMOS cameras and 12 cm LCD screen. Magnification x132 before welding / x200 after welding
- Heat-shrinkable sleeves 60 mm, 40 mm and Fujikura micro-sleeves
- H 79 x W 131 x D 201
- Weight with battery: 3,1 kg



FSM 41S pack including CT50 clipper + Battery + Cord

OTSK-10-000141

FSM 90S

- Productivity and performance
- Dynamic core to core alignment of the fibres on 3 axes: Sealing time: 7 sec. / Shrinking time: 13 sec. in 60 mm
- Display / Magnification Two CMOS cameras and 12 cm colour LCD screen. X / Y (320X magnification), or simultaneously X and Y (200X magnification)
- Fiber identification and automatic adaptation of optimal parameters
- Automatic rotation of the clipper blade
- Transport case and worktops with modular splicing shelf
- Long life electrodes 5000 welds
- Easy-to-read screen for ease of use
- Bluetooth connectivity
- H 150 x W146 x D 159
- Weight with battery: 2,7 kg



Pack FSM 90S + CT50 clipper + BTR15 battery + Cord

OTSK-10-000190

Optical splicer machine TD01

FIBER OPTIC TOOLING RANGE

- Precise alignment of the fiber core : Sealing time: 7 sec / Shrinking time: 18 sec
- 4,3 inch high definition touch screen
- Carrying case with a wide range of tooling
- Long life electrodes for up to 4000 welds
- Easily adapts to different temperatures and humid environments
- 320 types of image magnification and 5mm fusion for very short cut length fibers
- Effective anti-drop structure and 180° rotating screen
- 4,3 inch high definition touch screen capability
- H 130 x W 120 x D 154
- Weight with battery: 1,9 kg



Welder pack Core-to-core line-up TD01 + Clipper + Battery + Tools

OTSK-20-000020

Marker Detector 1420^E

COPPER MEASUREMENT RANGE

New marker locator with the ability to write, read and lock programmed information to the new generation of EMS-ID marker. It detects any type of existing marker.

FEATURES

- Very robust, ergonomic, handy and easy to use
- Large backlit display and clear function keys
- Complete system that fits in your hand

SPECIAL FEATURES

- Microprocessor-based system
- Uses the latest digital signal processing techniques
- Locates both traditional passive markers and EMS-ID marker balls
- Able to locate and process two different types of network markers simultaneously

APPLICATION

- Used to mark the location and depth of EMS and EMS-ID underground markers
- Allows you to locate, read and write to EMS-ID markers equipped with a memory chip data such as :
 - Serial number (predefined unique identification number), owner,
 - Installation details, public network data, type of application,
 - Date of implementation, and more...
- Perfect for transferring to your computer or to GPS/GIS devices via an interface for automatic position recording in CAD or GIS programs



EMS-ID marker sensor with writing - 1420E

MTCX-08-001201

EMS and EMS-ID markers

COPPER MEASUREMENT RANGE



EMS surface marker

- Ideal for marking underground pipes and ducts to a depth of 0.61 m
- Cylindrical shape
- Its size allows it to be easily installed in asphalt, cement, without the need for trenching or expensive drilling
- Dimensions (mm) : Ø16 x W 89
- Packed in batches of 50
- Also available for other networks (consult us)

EMS (1432) - Orange - Télécom
(x 50)

Consult us

>>> Other models, please consult us



EMS and RFID marker balls

- Designed for narrow trenches up to 1.22m deep
- Features a unique patented self-levelling feature, which ensures an accurate horizontal position regardless of how the ball is placed in the ground
- Dimensions (mm) : Ø 102
- Also available for other networks (consult us)

30 cable marker balls 1401-XR **PTXX-20-000043**

30 cable marker balls
TEL - 1421-XR/ID **PTXX-20-000050**

>>> For other models, please contact us

EMS and RFID depth marker

- Suitable for applications up to 2,43 m deep
- Ideal for locating deep underground networks
- Dimensions (mm) : Ø 381
- Packed in batches of 25
- Also available for other networks (consult us)

EMS depth marker (1250) Orange **Consult us**

Marqueur de profondeur RFID
(1250-XR/ID) Orange **Consult us**

>>> For other models, please contact us

Environmentally friendly

The marker balls have a high density, waterproof, polyethylene outer shell, impervious to the mineral, chemical and temperature stresses normally found in the underground environment.

They contain a mixture of propylene glycol and water, suitable for use in pharmaceuticals, cosmetics, or as a food additive, making it easily biodegradable and therefore not harmful to humans, wildlife or the environment



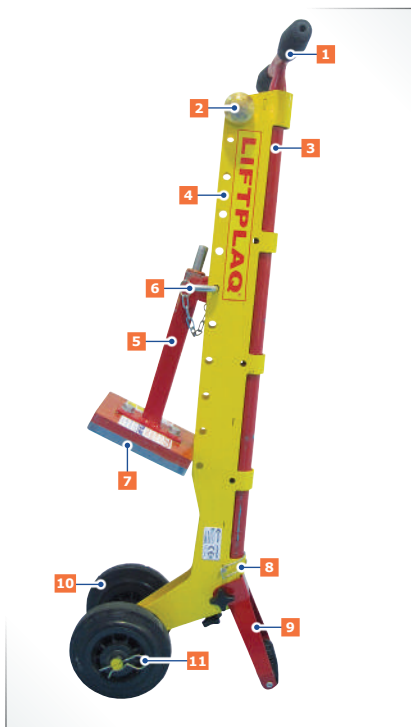


Liftplaq®

TOOLS RANGE

The LIFTPLAQ® is a handling tool for the manipulation of plates and pads dedicated to professionals of dry and wet networks. This system, equipped with a lever arm fitted with a powerful magnet, allows the plates to be unstuck without touching them and reduces the effort involved by a factor of three.

LIFTPLAQ® is a tool consisting of a mechanical assembly. It is equipped with a magnetic device that allows the plates to be gripped firmly and moved. This tool can be used for dry and wet networks.



- 1 - Handle to receive the bronze inertia block
- 2 - Bronze inertia block to be screwed on the handle
- 3 - Removable and adjustable handle
- 4 - Body of the device
- 5 - Articulated arm
- 6 - Angled pin with chain (locking of the articulated arm in use)
- 7 - Magnet
- 8 - Handle adjustment pin
- 9 - Handle used as a lever to release the magnet from the plate
- 10 - Wheels
- 11 - Wheel assembly pin
- 12 - Chisel point at the end of the handle
- 13 - Transport shoe
- 14 - Wheel extension (optional)

FEATURES

- Simple and efficient lifting of plates or pads in complete SAFETY thanks to its powerful magnet
- Supplied with 1 feeder to be screwed on the body (for storage) or on the handle (for mass use)
- Permanent high-powered magnet not subject to periodic checks
- Wheels close together as standard (20 cm distance between centres)
- Can be equipped with 2 optional 55 cm wheel extensions (110 cm distance between centres)
- With wooden transport shoe allowing the LIFTPLAQ® to be transported
- Colour: yellow and red

EASY TO USE

Place the magnet on the manhole cover, lift it up and move it easily by rolling. Remove the very strong magnet by pulling the pin out of the handle and simply lifting on the other side.

SECURITY

It allows the user to be assisted in complete safety during the operations of Seizure/Lifting/Moving/Removal/Removal. (System awarded at the 15th crossroads healthy-safety at work)

APPLICATION

- Magnetic buffer lifter used by all VRD/BTP/Telecom operators
- Adaptable to all types of telecom plates and road buffers

DIMENSIONS (mm)

- Height 500 x Length 1000
- Width with standard wheels: 200
- Width with wheel extension: 1100
- Weight 18 kg



On all types of plates



Works on all types of plates, including partially concreted plates

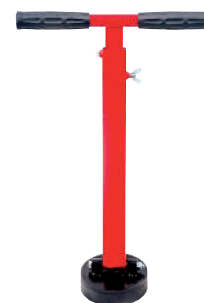
Mini LIFTPLAQ®

FEATURES

- Simple and effective lifting of small plates or pads in complete safety thanks to its powerful magnet (rated for 40 kg according to legislation)
- Adjustable handle
- Permanent magnet not subject to periodic inspections
- Colour: red

DIMENSIONS (mm)

- Height 470 (handle in) / 850 (handle out)
- Handle width 310
- Magnet Ø110
- Weight 3.5 kg



LIFTPLAQ including chisel + brass sledgehammer + handle + inflated wheels 260mm	PTXX-09-000030C
LIFTPLAQ including chisel + brass sledgehammer + handle + inflated wheels 260mm	PTXX-09-000030
Pairs of wheel extensions 110 cm (2 x 55 cm)	PTXX-09-000031
4-chain kit for Liftplaq	PTXX-09-000033
Lève-plaques MINI-LIFTPLAQ®	PTXX-09-000040

Fixing accessories overhead networks

ANCHORING AND FIXING RANGE

ANCHOR CLAMP

- UV protected thermoplastic
- Stainless steel
- Automatic conical clamping
- Capacity Ø carrier on duct :
 - Model PA 35: 3-5 mm
 - Model PA 57 : 5-7 mm
 - Model PA 69: 6-9mm
- Very quick to install, openable cable
- Available lengths: 120, 200, 300 mm
- Maximum installation tension :
 - PA 35 model: 70 daN
 - Model PA 57 : 120 daN
 - Model PA 69: 120 daN

Anchoring clamp Ø5-7.5mm, cable length 200mm - PA57200	PGXX-41-305200
Anchoring clamp Ø5-7.5mm, cable length 300mm - PA57300	PGXX-41-305300
Anchoring clamp Ø6-9mm, cable length 200mm - PA69200	PGXX-41-306200

SUSPENSION CLAMP FOR FO BRANCH CABLE

- For fiber optic or copper cables, round or flat cross section
- Ø round cross-section: 5 - 8 mm / flat cross-section L=6 - 10 mm, e=2.5 - 4 mm
- For spans of up to 50-70 m depending on climatic conditions
- Breaking load up to 120 daN depending on the cable used
- Can be fixed on pigtail, 10 mm strap, on crossbar Ø 13 mm, by screw Ø 6 mm

Suspension clamp diam 5 - 8mm PSB FO D5 8	PGXX-41-508010
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CONNECTION ACCESSORY

- For ranges up to 50-70 m depending on the weather conditions
- Breaking load up to 160 daN depending on the cable used
- Hanging loop with clip fastener that can be inserted into a minimum Ø 12 mm hole

Connection clamp diam. 4 - 7mm PAB FO 160 D4-7	PGXX-41-104000
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SUSPENSION CLAMP

- Fixation on hook or pigtail bracket Ø max 16 mm, 1 bolt Ø 16 mm or by 2 stainless steel strips 20 mm
- Fusible butterfly option: allows the clamp to be tightened without tools. The fuse butterfly controls the tightening torque of the nut
- Installation limit: up to 25° deflection angle
- Capacity Ø 6-15mm. Other capacities on request
- Minimum vertical tensile strength: 300 daN
- Weight: 0.375 kg

Suspension clamp Ø6-15mm - PS615ADSS	PGXX-41-606000
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EXTENSION KIT FOR TELECOM POLE

- Extension allowing the deployment of a fiber optic cable on an existing telecom pole
- Compatible with wood, metal, post or lorraine mast poles
- 11 fixing holes placed on both edges
- Compatible with hole spacing from 40 to 60 mm (crossbar 514, 515, 519)

Body RPT15C Telecom pole extension	PTXX-01-911100
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STAINLESS STEEL CROSSBAR

Stainless steel crossbar - length 440 mm - TRAV 514 - 11 holes	PTXX-01-911020
Stainless steel crossbar - length 820 mm - TRAV 515 - 13 holes	PTXX-01-911030
Stainless steel crossbar - length 1090 mm - TRAV 519 - 15 holes	PTXX-01-911025

Set of 50 D5 Cable Anchor Hooks	PTXX-01-911090
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>>> The entire SM-CI range is available for all other needs, please consult us

sm-ci®
SICAME GROUP

PARTNERS



Installation tools

TOOLS RANGE



MILLER® STRIPPING PLIERS

- Pliers for stripping fibre coatings from 250 µ
- Available in 2 versions:
 - 103S: Stripping 250µ on 125µ fibres
 - 103T: Stripping 2-3 mm / 900µ
- Length : 136.53 mm / Weight : 71 g

Miller Clamp 103S - 250µ	OTSM-20-000100
Miller Clamp 103T-250-J 250µ/900µ/3mm	OTSM-20-000102



MILLER® PEELING PLIERS

- Clips for uncoupling cables.
- With locking mechanism and pouch
- Automatic return spring for ease of use and speed
- Length: 159 mm / Weight: 107.7 g
- Available in 3 versions:

Wire stripper 721 AWG 22 to 10 (0.6 to 2.6 mm)	OTSM-20-000006	1
Wire stripper 821 AWG 26 to 16 (0.4 to 1.3 mm)	OTSM-20-000011	2
Wire stripper 921 AWG 30 to 20 (0.25 to 0.8 mm)	OTSM-20-000016	3



UNIVERSAL STRIPPING PLIERS

- Universal stripping pliers.
- Cutting depth adjustable by screw
 - For flat cables :
 - AWG 22 to 18 (Ø 0.324 to 0.823 mm)
 - For round cables: - AWG 8, 12, 14 and 16
 - Capacity (mm²): 4.8 " (122 mm)
 - Weight: 100 g

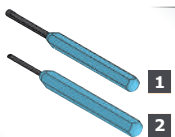
Stripper pliers S 501 - Replaces pliers 45163	OTSM-20-000049
Replacement knife	Consult us



DIAGONAL CUTTERS

- Cutter designed to cut all types of wire cleanly (piano wire, soft wire, modern materials)
- Chrome Molybdenum Vanadium steel
- High cutting edge hardness: 61/63 HRC
- Max Ø 1.5 or 2.0 mm (200 kg/mm²)
- Dimensions (mm) : H 10 x W160
- Weight: 170 g

Cutting pliers Ø1.6 - L 165 mm	OTCM-20-019263
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WRAPPING / UNWRAPPING TOOL

Tools for wrapping / unwrapping copper wire.

Manual wrapping tool 4 to 6/10	OTCW-02-000001	1
Manual wrapping tool 8/10	Consult us	1
Manual un-wrapping tool 4 to 8/10	OTCW-02-000003	2



SCISSORS FOR KEVLAR

- A pair of precision-tipped scissors for cutting Kevlar from fibre optic cables quickly and efficiently.
- Length: 140 mm
 - Weight: 79 g

Scissors for kevlar	OTSM-10-000010
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CLAMP AND STRIP PLIERS P2000

Cutting, assembly and tightening of straps, collars and bindings in widths of 5, 6, 8 and 10 mm.

Ligarex P2000 clamp	OTCM-07-000200
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SERCOUP CLAMP PLIERS

Pliers for tightening and cutting plastic electrician's clamps or «installation clamps» from 7.5 to 9 mm wide.

Collar cutter sercoup	OTCM-07-000010
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TUBE CUTTER

Tool for stripping the sheaths from tube cables.

- Available for Ø : - 2.3 to 2.8 mm
- 2.8 to 3 mm

Tube cutter Blue (2.3 - 2.8 mm)	OTSM-07-000010
Tube cutter Red (2.8 - 3 mm)	OTSM-07-000020



ALCOHOL DISPENSER

- Made of high density polyethylene (PEHD)
- Suitable for many solvents
- Wide opening and lockable
- Translucent for viewing contents
- Dispenses approximately 2cc with each press
- Capacity 120 ml

Alcohol dispenser - transport lock	OTSM-30-000010
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Pulling needle

TOOLS RANGE

The pulling needle is a construction tool specially designed for the switching and pulling of small and medium sized cables and wires over long distances in pipes.

The fiber needle is wrapped in PVC for protection and mounted on a reel for ease of use.

The flexible fibreglass needle mounted on a painted steel reel, the reel structures have been designed to be very robust in order to cope with the hazards of construction sites.

FEATURES

- Reel equipped with a brake to block the wheel
- Continuous PVC coated fibreglass needle
- Needles fitted as standard with two brass threaded ends and an aluminium ogive
- 30 or 60 metre lengths
- Fiber with front and back end
- Fiber :
 - Ø 4.5 mm
 - Ø 3 mm

DIMENSIONS (mm)

- Needle Ø 4.5 mm length 30 m : H 39 x W 18 x D 47 / Weight : 3,5 kg
- Needle Ø 4.5 mm length 60 m : H 39 x W 18 x D 47 / Weight : 5 kg



Glass fiber pulling needle Ø 4.5 mm x 60 m	PTXX-02-104060
Glass fiber pulling needle Ø 4.5 mm x 30 m	Consult us

Heat-shrinkable splice protection «Smouv»

OPTICAL CONSUMABLE RANGE

Splice protector (heat shrink sleeve) used for the protection and fusion splicing of optical fibres on clamped or semi-clamped tube or micro-sheath optical cable with or without coating.

Provides excellent protection of the fibers after fusion and ensures mechanical retention.

FEATURES

- Heat-shrinkable sleeve with metal reinforcement and adhesive coating to seal the splice
- Provides mechanical and environmental protection to fusion splices
- Compatible with most fibre management systems and organisers

DIMENSIONS (mm)

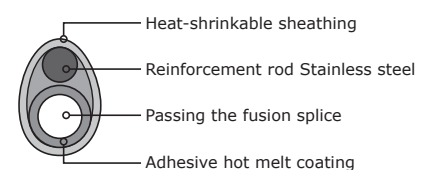
- Long. 40 x Ø ext. 2.5
- Long. 45 x Ø ext. 2.5
- Long. 61 x Ø ext. 2.5

COMPOSITION

- Exterior heat-shrink sleeve translucent
- Low temperature hot melt adhesive interior to encapsulate the splice by fusion
- Stainless steel or ceramic rod for a single splice to ensure proper alignment and rigidity

SPECIAL FEATURES

- Can be installed with a hot air welder
- Available in various sizes and colours



Heat Shrinkable Fusion Splice Protectors - 40 mm - 100 pcs.	RTSC-30-000040
Heat Shrinkable Fusion Splice Protectors - 45 mm - 100 pcs.	RTSC-30-000045
Heat Shrinkable Fusion Splice Protectors - 61 mm - 100 pcs.	RTSC-30-000061

VDI SOLUTIONS

RJ45 connection

VDI CABLING RANGE

A wide range of VDI is available, contact us!

The VDI (LAN) cabling of buildings has become an infrastructure equipment as important as the energy or water supply. This is why the TETRADIS offer includes all the necessary products to provide an efficient and effective network for the end user.



SINGLE & DOUBLE FACEPLATE

- 45x45 front panel for RJ45 connector
- 1 or 2 Keystone connector(s)
- ABS front panel in 45 x 45 mm format
- Delivered with insert in individual bag

Front panel 45x45 1 NP port	RICB-05-004511	1
Front panel 45x45 2 NP ports	RICB-05-004512	2



RJ45 CORE

- Keystone Hanging Connector
- Single-fork offset contact connector
- IP50 rating
- Integrated, self-closing protection flap
- Quick connection without tools

Volition RJ45 FTP Cat6 Core - Tool Free (Set of 8)	RICB-02-610010	1
Volition RJ45 STP 10Gb.Eth Core - Tool Free (Set of 8) NP	RICB-03-620020	2



PATCH PANEL 19"

- 19" panel compliant with categories 5e, 6 and 6a
- Compatible with RJ45 keystone connectors: K5e (UTP, FTP, STP), K6 (UTP, FTP, STP) and K10 (STP)
- Available in different versions: 1U for 16 or 24 ports and 2U for 32 or 48 ports
- Height: 1 or 2 U / Width: 19"
- Depth: 100 mm (in 1U) / 118 mm (in 2U)

Panel 19" 1U - 24 port RJ45 Volition panel - Black aluminium - bare	RICT-05-024001
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RJ45 PATCH

- From 0.3 to 40 metres
- Available in category 5e, 6, 6a:
 - Category 6: Available in : U/UTP (UTP), F/UTP (FTP) and S/FTP (SSTP)
Standard colour: Turquoise / Other colours available: red, yellow, green and blue
 - Category 6a: Only available in : S/FTP (SSTP)
Standard and unique colour: Turquoise

RJ45 Patch Cat 6 S/FTP	RICJ-03-610XXX
RJ45 Patch Cat 6a S/FTP	RICJ-03-614XXX

>>> Replace **XXX** by the desired length: from 003 for 0.3 m to 800 for 80 m



PATCH GUIDE

- Guide patch 19" with 5 metal rings
- Colour: black
- Height: 1U
- Dimensions : 48.3 x 4.5 cm
- Hook length: 5.5 cm to 6.5 cm

- 19" front panel with brush strip
- Made of 1 mm thick sheet steel
- Black or beige paint finish
- In 2U, mount 2 x 1U opposite each other
- Supplied with elastomer comb and screw kit

Front panel 19" 1U cable guide - 5 metal rings. - black	RICT-10-000201C	1
Front panel - 19" brush cable guide - 1U black	RICT-10-000301	2

Wall box and computer cabinets

CABINET AND WALL BOX RANGE



WALL BOX RUN

FEATURES

- Unobstructed access to installed equipment from the front and sides
- Lockable side panels
- 180° door opening angle
- Load limit :
 - 40 kg as standard (depth 400 and 500 mm)
 - 30 kg as standard (depth 600 mm)

DIMENSIONS (mm)

- Height: 6, 9, 12, 15, 18U
- Width: 600 mm
- Depth: 400, 500 or 600 mm

Wall box RUN 19", height 6U, P400 mm, Remov. side panels, RAL 9005	RCAC-21-066040
Wall box RUN 19", height 6U, P600 mm, Remov. side panels, RAL 9005	RCAC-21-066060
Wall box RUN 19", height 9U, P600 mm, Remov. side panels, RAL 9005	RCAC-21-096060



For delivery in kit form, contact us!

RI7 COMPUTER CABINET

FEATURES

- Universal cabinet for standard daily IT use
- Available in 35 sizes
- Pre-configured cabinet with many other options
- 2 pairs of 19" sliding uprights, adjustable from the inside

DIMENSIONS (mm)

- Height : 15, 21, 27, 33, 42, 45, 48U
- Width : 600, 800 mm
- Depth : 600, 800, 1 000 mm

Seven Cabinet RI7, 42U, 600x800, Front side glass - Sheet metal back panels - 4 Brackets	RCAB-90-42608000
Seven Cabinet RI7, 42U, 800x800, Front side glass - Sheet metal back panels - 4 Brackets	RCAB-90-42808000



Patchcord management kit between 2 cabinet center distance 395

CABINET ACCESSORY RANGE

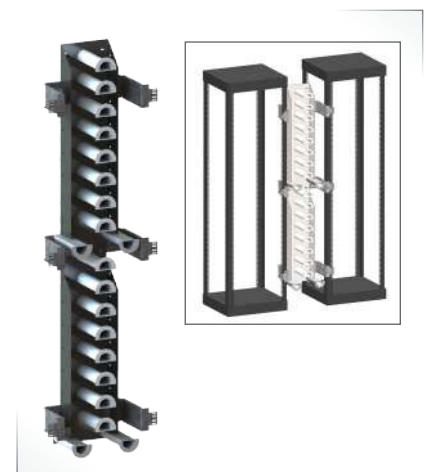
FEATURES

- Allows management of gaskets between 2 19" frames
- 382 to 408 mm spacing between the footprints of each upright
- Reduced intervention time : 15 minutes for 2
- Material: RAL 7035 painted steel for the coiling kit / Galvanised steel for the sets of adaptor brackets
- Delivered fully assembled

BASIC KIT INCLUDES

- The garter management set with 20 drums and 3 adaptor brackets
- 12 cage nuts and 12 M6x16 mm screws

Coiling kit	RCAB-34-000100
Set of 3 adaptor brackets	RCAB-34-001113





LEXICON

A

ATTENUATION

A decrease in the strength of a signal between two points. Attenuation is usually expressed as a ratio of output power to input power. It is measured in decibels (dB).

ADAPTER

Mechanical element making it possible to make a connection between two plugs.

B

BACKBONE

Network section with the highest traffic load.

C

CABINET

Box for connecting communication cables, distribution and connection equipment. Cabinet (distribution) containing: closed space containing all communication equipment, cable connections and splitter boxes. This is the recognized distribution location between vertical and horizontal distribution.

CABLING

A set of cables, wires, cords, fibers, and connecting hardware.

Centralized cabling: Cabling architecture between the access point in the workspace and the centralized building splitter that does not use a floor distribution frame.

CAD

Self-Stripping Connection.

CABLE TRAY

Element housing the telecommunications cables.

COMPACT CONNECTOR (OR SMALL FOOTPRINT)

Connector used to link two or more optical fibers and having at least the same mounting density as the connectors used for symmetrical cabling.

CLEAVER

Tool to break the fiber (cleave) and prepare for splicing.

COILING

Loop cable serving as reserve in case of re-intervention.

D

DTI

"Inside Termination Device", means the box serving as a border between the Telecom network and the customer's telephone network. This housing, also called Terminal or Subscriber Box, is installed at subscriber's residence.

DTI-O

"Optical Interior Termination Device", same as DTI in Optical version.

DISTRIBUTION CABLE

Cable connecting the access point to the connection point..

DISTRIBUTION CONNECTION

Section of the permanent link between the floor distributor and the access point.

E

ETSI

"European Telecommunications Standards Institute", European standardization body in the field of telecommunications. Alternative cabinet standard to 19".

F

FIBER OPTICAL SPLICE CLOSURE

Generally refers to any type of fiber optic junction box installed on the structuring part of the feeder network, either to divert fibers to buildings or to break up a transmission cable to distribution cables.

FERULE

End of a connector inside which the fiber is located.

FIST

« Fiber Infrastructure System Technology »

FTTH

« Fiber To The Home » : a physical telecommunications network that notably allows very high-speed internet access and in which the optical fiber ends at the subscriber's home.

FTTO

« Fiber To The Office » : privileged by small businesses, SMEs and communities whose connectivity is essential to the smooth running of their business to access for example remote services that are greedy.

FTTH RISER

The cables from this column run through the different floors in sleeves, sheaths or pipes. Each cabinet is generally equipped with the necessary material to hold the cables and a compartment system.

H

HYBRID

An element is hybrid when it uses at least two different energy sources to operate.

I

IK

The IK index determines the degree of protection of the equipment against mechanical shocks. (examples: IK08, IK09, etc ...)

IL

Insertion Loss.

L

LAN

Local Area Network
Limited reach network right-of-way (from a few hundred meters to a few kilometers).

LOW VOLTAGE SWITCHBOARD

This is the low voltage switchboard of large electrical installations. This panel is the link between the supplier's arrival (Power Company) and the customer's network (company, individual...). It can be followed by divisional panels depending on the size and specifications of the installation. It allows an adaptation of voltage for the rest of the installation.

M

MAN

" Metropolitan Area Network " refers to a network of computers usually used in campuses or in cities. The network generally uses fiber optics.

O

OPTICAL FIBER

Optical fiber is a very thin glass or plastic wire that has the property of conducting light. Several types of optical fibers are used today in networks:

- single mode or multimode,
- with variable core and cladding sizes. The most common: the 50/125, multimode fiber, has a core diameter of 50 microns for a sheath of 125 microns,
- with different types of connectors: SC (square clip-on section), LC (small square clip-on section) ...

OCN

From French NRO, it's means «Optical connection node»: Fiber-optic network concentration point, where active and passive equipment is installed from which the commercial operator can activate access for their subscribers.

OPTICAL SPLITTER

This splitter (in French SRO), usually placed in a street cabinet together with distribution panels or at the building's entry level, plays the role of an intermediate cross-connect point. It is also the starting point of the optical distribution that goes generally up to a Fiber Distribution Box (FDB).

OPTICAL FAN-OUT

Device allowing a new arrangement of the optical fibers contained in one or more optical fiber cables to one or more other optical fiber cables of different modularity or different destination (for example: fiber optic cable dedicated to different operators; a riser).

P

PAIR

Refers to the two conductors of a symmetrical copper transmission line. Usually refers to a twisted pair or part of the circuit. Paired cable: a cable composed of one or more metallic cable elements, which may be symmetrical (twisted pairs or quads) or symmetrical, shielded or unshielded.

PATCH

Cable equipped with a male plug, allowing to connect telecommunication equipments, active products and to realize the cross-connections in the splitters.

PATCHCORD

Cable or cord with or without connector used for connection to a splitter box.

PATCH PANEL

Distribution system of coupling connectors facilitating the management of connections.

PIGTAIL

Fiber of 900µm of a few meters, preconnectorized at one end and intended to be connected at the other end by a splice.

R

REFLECTOMETER

Measuring device for testing that an optical transmission line is mismatched (measurement of optical budget, length, reflection).

S

SPLICE

Connection of transmission media (copper or fiber) usually permanently.

STREET CABINET

Means the FTTx Access Network Concentration Point where active equipment is installed allowing an operator to route the signal from its network to subscribers

SWITCH

A switch is a device used in computer networks and particularly in the field of single and multiple channel selection.

SPLITTER

Fiber device connecting one or more inputs to one or more outputs. It allows for example to mix two signals, to separate a signal in two or to do both at once.

T

TRAY

Component of a housing for accommodating a defined number of fiber connections, with possibility of coiling. A cassette can house waiting fibers, or spliced fibers.

U

UMS

Universal Mounting System.

V

VDI

The acronym VDI (Voice, Data, Images) qualifies communication networks: telephony, Internet, television. These networks are increasingly integrated into the infrastructure of buildings (residential housing, offices ...) in the form of a single cabling, allowing the various resources to be distributed to their points of use.

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TETRADIS

MOBILITY & CONNECT

HEADQUARTERS

1, rue du Mollaret
38070 Saint-Quentin-Fallavier
Tel : 04.74.95.39.95
contact@tetradis.com

ÎLE-DE-FRANCE AGENCY

14, rue de la Perdrix
93420 Villepinte
Tel : 09.83.80.81.41
agence.paris@tetradis.com

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