DATA CENTER SOLUTION

FOLAN
DATA & TELECOM INFRASTRUCTURE

![FOLAN - DATA & TELECOM INFRASTRUCTURE]

DATA CENTERS, THE BACKBONE OF OUR CONNECTED SOCIETY

In a world that is increasingly connected, where the volume of data exchanged is constantly increasing, where data is seen as the next industrial revolution and in which new uses will appear with the arrival of 5G, data centers are becoming essential to the digital chain in storing and processing data.

DATA CENTERS
Challenges

To deal with this growing increase in data, it's essential to build new data centers, whether they involve colocation or private companies, or are edge data centers – local centres dedicated to the nearby processing of data with the aim of reducing lag (response) times.

In addition to the increase in the number of data centers, the increased need for speed (10G, 40G, 100G, 200G, 400G and tomorrow, 1.6T) is becoming a major challenge. To respond to this challenge, cabling infrastructure is continuing to evolve through the use of fibre optics that meet these technical requirements.

Your sales contact

CONTENTS

With over 30 years' experience in Data and Telecoms networks, FOLAN supports its clients in choosing infrastructure solutions across the Data Center value chain, from the Meet-Me Room to server connection and the permanent cabling of IT rooms, etc. FOLAN supports you in choosing high-performance, modular and scalable solutions.

FOLAN, THE FRENCH SPECIALIST IN DATA & TELECOMS INFRASTRUCTURE HAS BEEN AT YOUR SERVICE FOR OVER 30 YEARS!

FOLAN, founded in 1988 under the name ICTL, initially specialised in assembling optical connection technology. Our company is now the essential French designer and manufacturer of passive solutions and equipment for fibre-optic networks: core networks, data centers and industries.

At the cutting edge of innovation, FOLAN designs and produces Data & Telecoms network interconnection solutions that meet operators, local authorities and companies' needs.

Involved alongside the France Superfast Broadband plan and local authorities to accelerate the deployment of optical fibre in France, FOLAN has also invested internationally by marketing its products in Europe, the Middle East, Africa and Asia.

WATCH THE VIDEO!
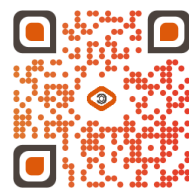
Our strength?
Flexible and responsive teams who listen to our clients!

- **A design office** that designs and tests all our equipment in collaboration with a qualification and product testing laboratory
- **A sales team** of roaming salespeople by your side and office-based salespeople available at any time
- **Production teams** who are responsive and proactive in France, Romania and Asia
- **Quality teams** who inspect all manufacture

+ than 4,000 m² of storage
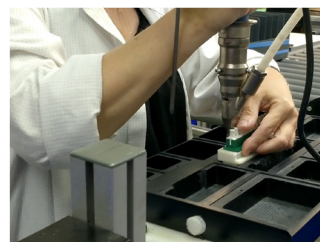
4 PRODUCTION SITES WORLDWIDE, TO MEET ALL OUR CLIENTS' NEEDS:

LYON – FRANCE:
- For small or medium production runs, customisation and short lead times
- Integration of components (patch panels, racks, etc.) with a dedicated and customisable assembly chain and the possibility of mixed assembly
- Single or two-level preconnectorised risers
- Custom preconnectorised cords and cables
- Standard and specific connectors

SOUTHEND-ON-SEA - UNITED KINGDOM:
- For small and medium production runs

HUNEDOARA – ROMANIA:
- For medium and large production runs, adaptation of standard products
- With a French-speaking department that facilitates discussion

WUHAN – CHINA:
- For very large production runs and standard offers
- With French-speaking employees to supervise production and perform quality control

LOYAL CLIENTS WHO TRUST US:

OPERATORS

orange | free | bouygues telecom | vodafone | telecom mauritius | interoute | verizon | proximus | Salt. | altitude infrastructure | LOSANGE | monaco telecom

DATA CENTERS

IBM | ANIXTER

PRIVATE OPERATORS

alphalink | ielo liazo

EQUIPMENT MANUFACTURERS

ERICSSON | NOKIA | FUJITSU | HUAWEI | Sagemcom

INSTALLERS

VINCI | SPIE | SNEF | EIFFAGE ÉNERGIE | Cegelec | axians | axione | ENGIE Ineo | Sogetrel | FAYAT | camusat

PUBLIC INSTITUTIONS

MINISTÈRE DE LA DÉFENSE | MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR, DE LA RECHERCHE ET DE L'INNOVATION | CCI FRANCE | Conseil général LOIRE EN RHÔNE-ALPES

TRANSPORT & ENERGY

SIEMENS | Schneider Electric | ALSTOM | SNCF | Rte

FOLAN IS A MEMBER OF SEVERAL PROFESSIONAL BODIES

arcep | CREDO | InfraNum | Fibre to the Home Council Europe

INTERNATIONALLY
- FTTH COUNCIL EUROPE: Development of FTTH in Europe
- FTTH COUNCIL MENA: Development of FTTH in the Middle East and North Africa

FOLAN
DATA & TELECOM INFRASTRUCTURE

- Meet-Me Room (MMR)
- Dispatching zone
- Server room or IT room

REINFORCED
DISTRIBUTION
CABLE

MINICORE
PRECONNECTORIZED
CABLES
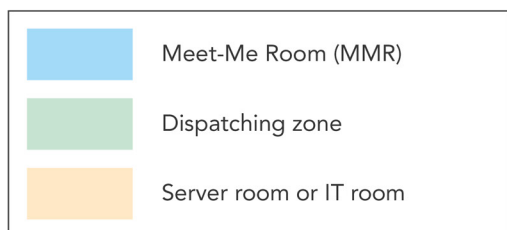
SINGLE RIGA
OPTICAL DISTRIBUTION
FRAME

CABLE FAN-OUT
BOXES

NIAGARA
PATCH PANELS

DISPATCHING
PATCHCORDS

&   &   &

MILANO
PATCH PANEL
DISPATCHING TRAY

OR

MILANO
24 TO 48 OF (1U)
PATCH PANEL

OR

DELPHI
24 OF (1U) TO 96 OF (2U)
PATCH PANEL

OR

MTP® MILANO
36 TO 72 OF (1U)
PATCH PANEL

OR

MILANO HD96
48 TO 96 OF (1U)
PATCH PANEL

OR

MILANO HD144
144 OF (1U)
PATCH PANEL

MPO/MTP® PRECONNECTORIZED CABLES

MINICORE PRECONNECTORIZED CABLES

DISTRIBUTION CABINETS ACCESSORIES

RJ45 PATCH PANELS

&

SFP

TOOL-LESS KEYSTONES

RJ45 PATCHCORDS

DISPATCHING PATCHCORDS

FOLAN
DATA & TELECOM INFRASTRUCTURE
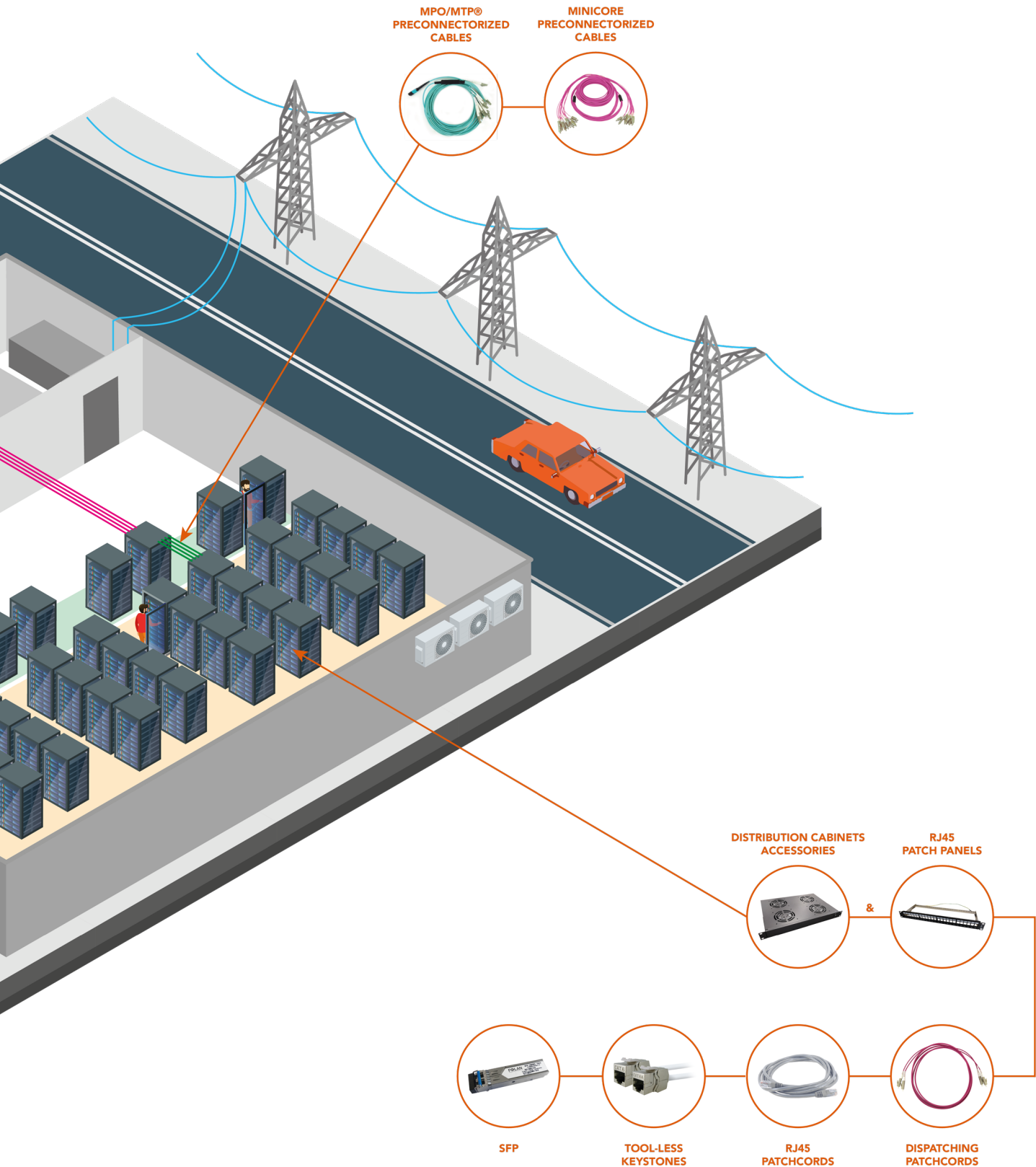
TYPES OF FIBRE AND PERFORMANCE

MONOMODE FIBRE

Created to respond to growing Telecoms bandwidth needs, the range of monomode optical fibres meets users' expectations. The standard monomode optical fibre is the G652 optical fibre, as this standard has been upgraded into several variants.

G.652.D MONOMODE FIBRE

The most powerful fibre
and the most common in this product line.

(standard IEC 60793-2-50/B-652.D)

G.657.A2 MONOMODE FIBRE

Fibre with a low bending radius
facilitating cabling in particular
inside buildings.

(standard IEC 60793-2-50/B-657.A2
and B-657.B2)

mm

G.652 - R30
G.657.A1 - R10
G.657.A2/B2 - R7.5
G.657.B3 - R5

BENDING RADIUS
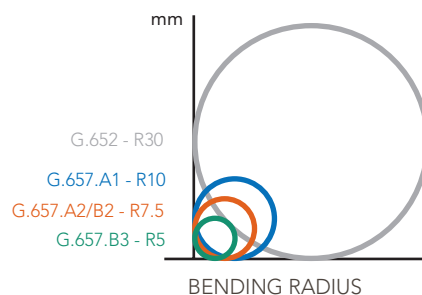
MULTIMODE BARE FIBRE

With a boosted silica core whose refraction index rises gradually as you approach the centre, there are two main multimode optical fibre families: 50/125 µm and 62,5/125 µm.

GRADIENT INDEX FIBRE

Available in 62.5/125 µm (OM1) or 50/125 µm (OM2, OM3, OM4, OM5). It is mainly used on LAN networks.

50/125 µm fibres (OM3 and OM4) are mainly used for local broadband networks,
in particular 10 Gb/s applications. (standards IEC 60793-2-10 (ITU-G651) and TIA/EIA-492 AAAC/492 AAAD).

PERFORMANCE

Wave length	APPLICATIONS	OPTICAL FIBRE PERFORMANCE*				
		9/125 µm	62.5/125 µm	50/125 µm		
		G652D or G657A2	OM1	OM2	OM3	OM4
850 nm	1 Giga	-	275 m	550 m	550 m	550 m
	10 Gigas	-	33 m	82 m	300 m	400 m
1300 nm	1 Giga	5,000 m	550 m	550 m	550 m	550 m
	10 Gigas	10,000 m	82 m	82 m	82 m	82 m

All our bare optical fibres are available on coils of 500, 1,000, 2,000, 3,000 and 4,000 m.
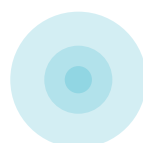(*): according to IEC 11801 standard

JACKET COLOURS

YELLOW
MONOMODE
G652D OR G657A2
9/125 µm

ORANGE
MULTIMODE
OM1
62.5/125 µm

GREY
MULTIMODE
OM2
50/125 µm

AQUA
MULTIMODE
OM3 AND OM4
50/125 µm

MAGENTA
MULTIMODE
OM4
50/125 µm

LIME GREEN
MULTIMODE
OM5
50/125 µm

CONNECTORS AND PERFORMANCE

FOLAN sells several types of connector each with different advantages to meet all your needs. Summary of their performance below:

TYPE OF CONNECTOR

| SC/SC-APC | LC/LC-APC | Uniboot | MTP® Pro |

PERFORMANCE GRADES

FOLAN offers a product line based on grades to help manufacturers, operators and installers choose the most suitable component for the application concerned. The best connector will only have excellent performance if it is coupled with a permanent adaptor.

TESTS	REQUIREMENTS			
	MONOMODE		MULTIMODE	
	Classes/Grades	Weakening at 1,310, 1,550 and 1,625 nm	Classes/Grades	Weakening at 850 nm
Insertion loss IL (IEC 61300-3-34)	Class A	Not currently specified	Class A_m	Not currently specified
	Class B	≤ 0.12 dB on average ≤ 0.25 dB max. for ≥ 97 % of connections	Class B_m	≤ 0.3 dB on average ≤ 0.6 dB max. for ≥ 97 % of connections
	Class C	≤ 0.25 dB on average ≤ 0.50 dB max. for ≥ 97 % of connections	Class C_m	≤ 0.5 dB on average ≤ 1.0 dB max. for ≥ 97 % of connections
	Class D	≤ 0.50 dB on average ≤ 1 dB max. for ≥ 97 % of connections	Class D_m	Not currently specified
Return loss RL (IEC 61300-3-6)	Class 1	≥ 60 dB (coupled) et ≥ 55 dB (uncoupled)	Class 1_m	Not currently specified
	Class 2	≥ 45 dB		
	Class 3	≥ 35 dB	Class 2_m	≥ 20 dB (coupled)
	Class 4	≥ 26 dB		

FOLAN has the capacity to manufacture all standardised grades but has chosen to standardise the following values in its production to optimise the quality/cost ratio:

	Insertion loss (IEC 61300-3-4 Method B)	IL MAX
MONOMODE	Grade B FOLAN	IL ≤ 0.25 dB
MULTIMODE	Grade M FOLAN	IL ≤ 0.50 dB

In terms of the return loss (RL), FOLAN does not define performance with Grades 1 to 4 as specified in the standard above. The values are directly expressed specifying the type of polishing, which is more restrictive than said standard: PC, UPC, APC. 'Tuned' or adjusted connectors made by FOLAN are certified with an IL≤ 0.25 dB.

	Return loss (IEC 61300-3-6)	RL value
MONOMODE	Grade B FOLAN	APC type: RL ≥ 60 dB ‖ UPC type: RL≥ 50 dB
MULTIMODE	Grade M FOLAN	PC type: RL≥ 35 dB

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DATA & TELECOM INFRASTRUCTURE

DISTRIBUTION CABLES

The highly-regulated Data Center environment requires specific cable characteristics. Due to their structure, Distribution cables are compatible both with **direct connectorisation** (Plug & Play) and **splicing**. They have a coloured LSZH-FR jacket so the type of fibre can be quickly identified and they can be deployed in cable conduits.
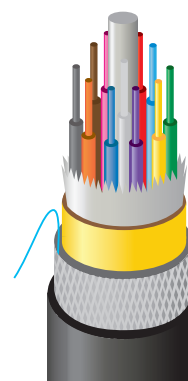
Advantages: compactness, flexibility and fire resistance
Type of fibre: Monomode G652D or Multimode OM3 and OM4
Strands: 900 µm
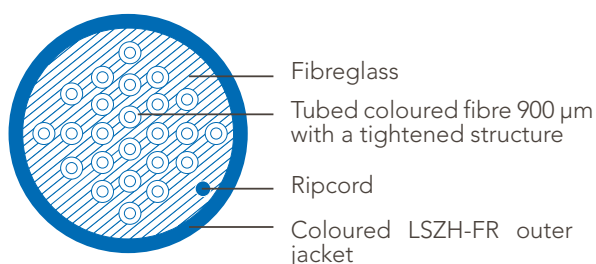**Capacity:** 2 to 24 optical fibres
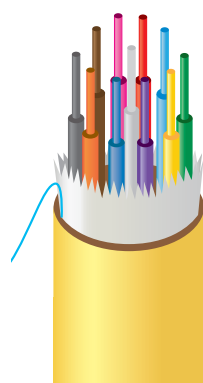
RPC
LEVEL CCA AND B2CA

DISTRIBUTION CABLE – GCD

Applications: Flexible and small in size, the Distribution cable has fibreglass to protect the 900 µm strands against rodents. It is especially suitable for making inside optical links between two passive items of equipment.

Fibreglass

Tubed coloured fibre 900 µm with a tightened structure

Ripcord

Coloured LSZH-FR outer jacket

REINFORCED DISTRIBUTION CABLE – GCDR

Applications: GCDR reinforced cable is more robust than GCD cable. Its double jacket and fibreglass braid give it increased protection against rodents. Its LSZH-FR anti-UV reinforced outer jacket means it can be deployed outside in Data Centers.

FRP Central Strength Member

Tubed coloured fibre 900 µm with a tightened structure

Fibreglass

Coloured inner jacket

Fibreglass braid

Black LSZH-FR outer jacket
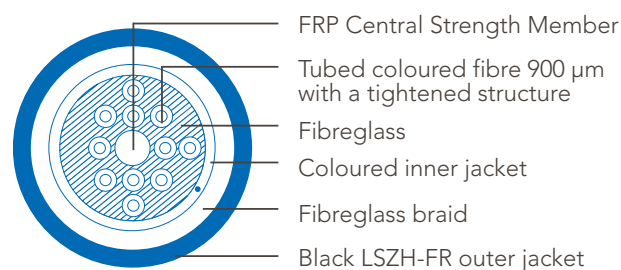
MINICORE PRECONNECTORISED CABLES

Minicore preconnectorised cables, also referred to as 'Mini Breakout' are the value-added solution for environments where space is limited. They are therefore ideal for Data Centers, in cable conduits or racks and can be connected both on the front (2 mm cladding) and back (900 µm cladding) of patch panels. They can connect different network peripheral devices to optical splitters through datacenter cabinets.

Advantages: easy to install, compact and configurable according to your needs
**Type of fibre:** Monomode G657A2 or Multimode OM3 and OM4
Capacity: 12 to 24 optical fibres
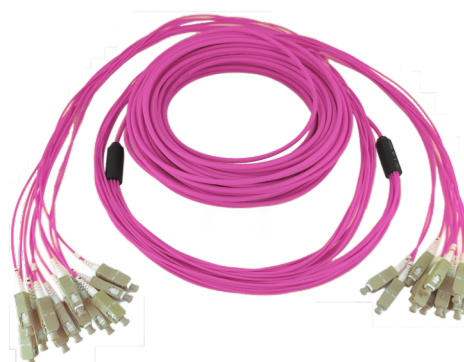
EU MANUFACTURE LEAD TIME < 10 DAYS

According to the cable's capacity and the desired retubing diameter, FOLAN offers 4 types of fan out, making this solution adaptable to all types of installation. Fan outs are mechanical devices enabling the fan-out of a cable by recladding the optical fibres in 2 mm or 900 µm tubes to enable the assembly of connectors.

— Coloured LSZH-FR outer jacket

— Aramid

— Optical fibre 250 µm

— Gel-free inner tube
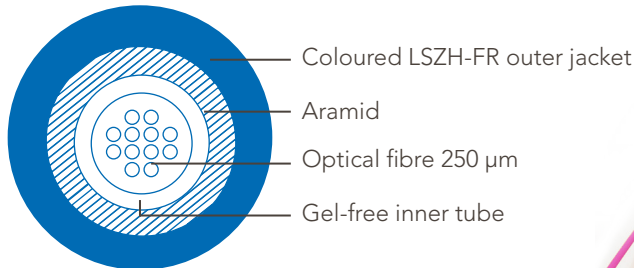
BESPOKE SOLUTION
(LENGTH, RETUBING, ETC.) :
MORE INFORMATION ON REQUEST

MTP® PRECONNECTORISED CABLES

To handle higher and higher bandwidth needs and the increase in connection density, FOLAN offers high-density preconnectorised cable solutions with the latest MTP® connector: the MTP® Pro from US CONEC® version. This connector offers first-class performance while offering flexibility to users by enabling the reconfiguration of the polarity and pins in the field. This possibility therefore saves precious time and eliminates costly errors.

These 'harnesses' enable a link between cassettes or plates and active equipment. They are suited to market requirements and perfectly meet the demands of high-density networks and the different Data Center applications.

Advantages: high-density, quick and reliable deployment
Type of fibre: Monomode G657A2 and G652D or Multimode OM3 and OM4
Capacity: 12 to 144 optical fibres

— LSZH outer jacket

— Microcable 12 OF Ø 3 mm

— Optical fibres 250 µm

— Aramid

— Central Strength Member
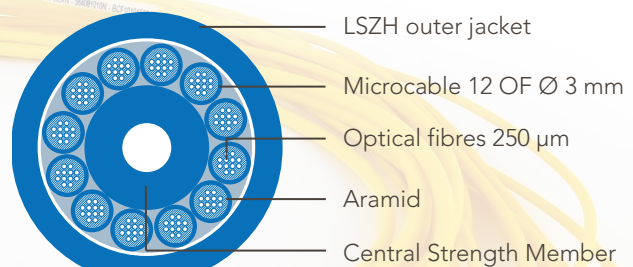
Cable 144 OF

MTP® is a practical and powerful multi-fibre connector that has two precision guide pins that align the fibres. Unlike other connectors that are available in fibre optics, its comes in a male and female version and two 12 and 24 OF ferrules:

| Male connector | Female connector | Ferrule 12 OF | Ferrule 24 OF |

SLIDING PATCH PANELS

The Data Center market has a multitude of players, with different needs in terms of density, infrastructure and cabling and interconnection speed. FOLAN has therefore developed a range of sliding patch panels from 24 fibres to 144 fibres on 1U (in LC) and up to 864 fibres (in MTP®24).

As the management of these fibre quantities is different, FOLAN has attached great importance to the ease and flexibility of use. Finally, our solutions are scalable in an aim to meet current and future needs.

Advantages: compactness, flexibility and fire resistance
Capacity: 24 to 144 OF on 1U
Material: metal
Colour: black

MILANO PATCH PANEL PATCHCORD MANAGEMENT TRAY

To optimise dispatching management in the racks and secure the connections and work, FOLAN has also developed an independent patchcord management system.

The inner sliding tray enables easy access to patchcord overlengths, which may be organised around built-in coiling areas.

MILANO PATCH PANEL 1U

The MILANO patch panel is a sliding patch panel developed to meet the needs of connection by direct connectorisation on 48 fibres on 1U.

Configurable and economical, it is also available with adaptors, pigtails and cassettes for connection by pigtailisation of up to 36 fibre optics on 1U.

24 TO 48 OF ON 1U

DELPHI PATCH PANEL 1U OR 2U

The DELPHI patch panel is a sliding patch panel developed to meet the needs of connection by pigtailisation (splicing on pigtails).

It is installed on Data Centers' 19" server racks and enables an interconnection between different fibre optic cables in these architectures.

48 TO 96 OF ON 2U

24 TO 48 OF ON 1U

MILANO PATCH PANEL HD144

The MILANO HD144 patch panel receives 144 fibres on 1U (in LC) and up to 864 fibres (in MTP®24). To respond to the different cabling systems, FOLAN offers 3 different types of sliding trays to receive 8 OF, 12 OF or 24 OF cassettes.

In an aim towards flexibility and ease of management, the cassettes may be transition or conversion cassettes for any of the format chosen.
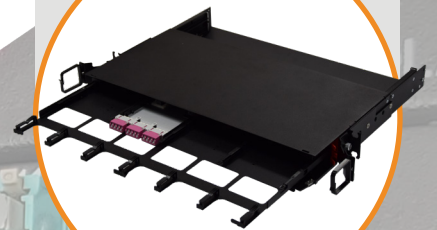
MILANO PATCH PANEL HD96

The MILANO HD96 patch panel is an optimised version of the MILANO MTP® containing 4 MTP® to LC conversion cassettes in snap-in format receiving 12 or 24 OF.

In addition, FOLAN also offers LC or MTP® crosstie plates offering ease and flexibility of installation.

MILANO PATCH PANEL MTP®

This version of the MILANO patch panel can receive up to three 12 or 24 OF MTP® cassettes in snap-in format.

Its compatibility with this multi-fibre connection, offering up to 12 times the density of standard connectors, enables it to manage 72 optical fibres on 1 U, offering considerable space saving.

36 TO 72 OF ON 1U

3 cassettes of 24 OF

48 TO 96 OF ON 1U

4 cassettes of 12 OF
or
4 cassettes of 24 OF

144 OF ON 1U

6 cassettes of 24 OF
or
12 cassettes of 12 OF
or
18 cassettes of 8 OF

RIGA INSIDE OPTICAL SPLITTER

The Meet-Me Room (MMR) is a key location for Data Centers where all the optical fibres from servers come in to connect each one to the different service providers. To equip the Meet-Me Room, FOLAN offers its RIGA optical splitter solution providing flexibility, modularity and ideal cable density while meeting the technical constraints on network equipment imposed by Data Centers.

Designed to manage a large number of connectors, optical splitters enable simple, intuitive, orderly and rapid cabling. They can be installed via wall mount or directly on the ground, back-to-back or side-by-side, to meet each need.

- One 19" area
- Capacity 19": 41 U
- Dimensions (W x H x D): 800 x 2200 x 300 mm
- Resorbers: left-hand verticals for dispatching patchcords inside the splitter allowing their output at the top or bottom

It is possible to add a back panel, side panels and a front door with a lock as an option.

OPTICAL COMPONENTS

MINICORE PRECONNECTORISED CABLES

- Available in 2 versions: 12 OF or 24 OF in G657A2
- Very compact cables: Ø 4.6 mm for the 24 OF
- Retubing diameter: 900 µm, 1.6 mm or 2 mm
- Preconnectorisation with a choice of length and connection
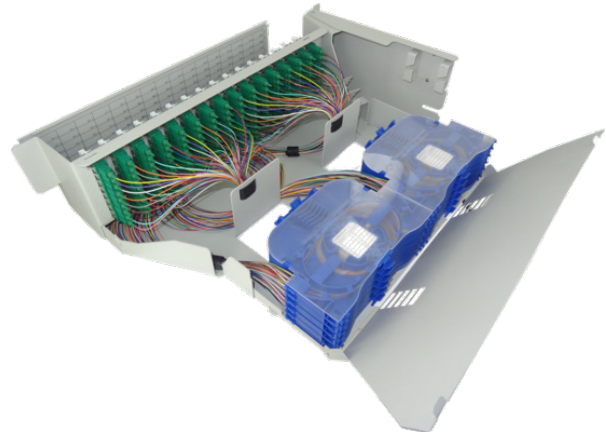
PATCHCORDS

- Wide choice of lengths, types of optical fibre, patchcord colours and connectors
- Simplex or zipcord patchcords
- High optical performance
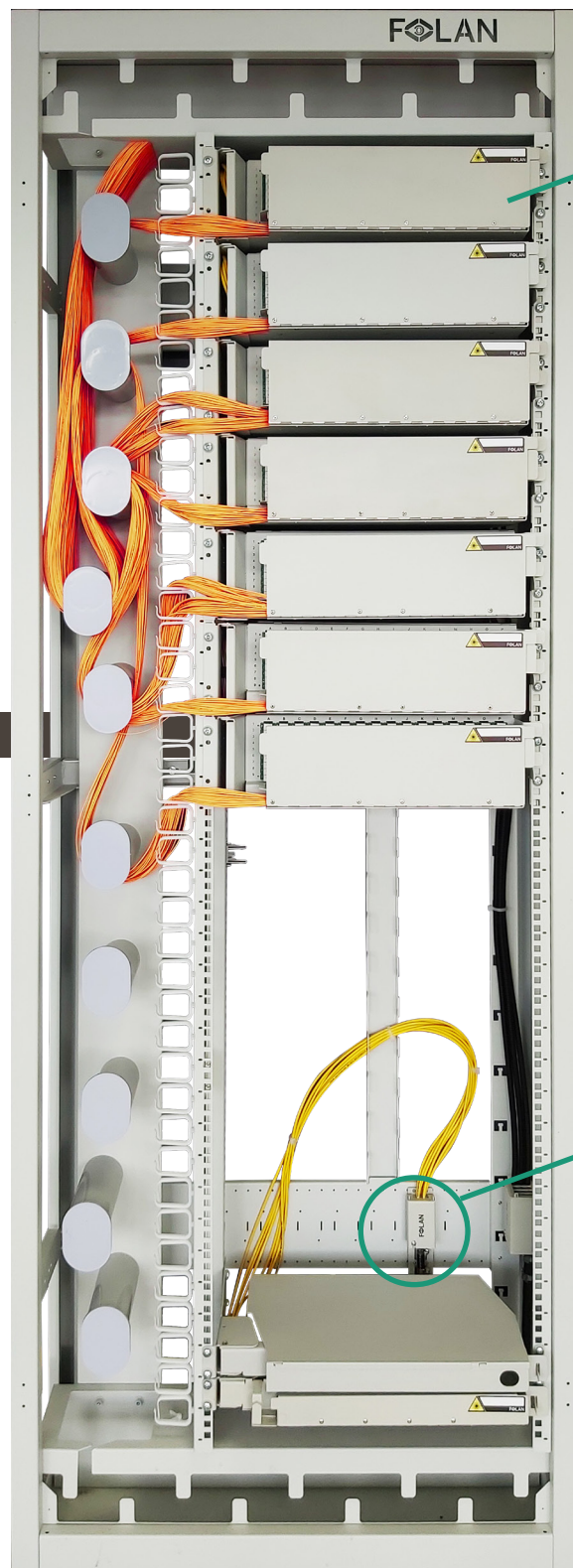
NIAGARA PATCH PANELS

NIAGARA patch panels are low-depth, high-density pivoting patch panels. They fit in perfectly in 19" equipment such as RIGA inside optical splitters, in the Meet-me-Room (MMR), to make the connection between the service providers' backbone networks and Data Center servers.

- Fixed tab for fastening cables and input protection tubes/jackets
- Pivoting tray for the dispatching interface and splice cassettes
- High density: 48 optical fibres on 1 U, up to 144 optical fibres on 3 U

PATCHCORD MANAGEMENT TRAY

The NIAGARA patch panel storage patchcord management tray manages micromodule overlengths, retubing jackets (access through the back of the panel) or patchcords (access from the front).

Capacity: Up to 9 jackets Ø 4.3 mm, 6 jackets Ø 5 mm (maintenance in two points with a comb), 200 m of patchcords Ø 1.6 mm and 130 m of patchcords Ø 2 mm.

CABLE FAN-OUT BOXES (CFO)
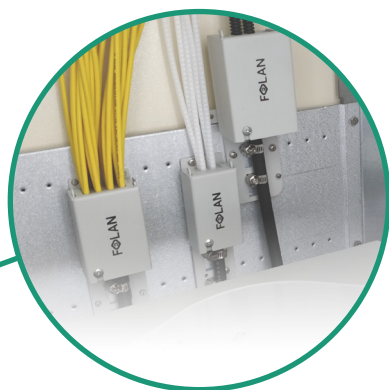
CFO 2: 96 fibres

CFO 3: 288 fibres

CFO 4: 1,728 fibres

Mainly used in Meet-Me Rooms, Cable Fan-out Boxes (CFO) are installed in optical splitters and provide an **excellent hold on the input cable** as well as **the fan-out of fibres** in total security with a **simple and** and **robust** mount.

- Securable steel boxes
- Excellent hold on the input cable with two-point fastening
- They are universal and adapt to all types of splitter
- Robust fastening enabling the fan-out of fibres in total safety
- Stress take-up system using the cable reinforcement components
- Protection jackets (Ø 4.3 mm or 10 mm) held with a comb
- Capacities:
    - = CFO2: 96 FO – cables Ø 8 to 13 mm – 8 jackets Ø 4.3 mm
    - = CFO3: 288 FO – cables Ø 8 to 13 mm – 24 jackets Ø 4.3 mm
    - = CFO4: 1728 FO – cables Ø 14 to 22 mm – 12 jackets Ø 10 mm

MTP® PATCHCORDS

MTP® (Us Conec) optical patchcords enable us to make a permanent link in a linking chain connecting 2 cassettes or 2 patch panels. This multi-fibre connection, available in a male or female version, offers up to 12 times the density of standard connectors, enabling very considerable space savings which are necessary on the Data Center market.

- Capacity: 8, 12 to 24 OF
- Type of fibre:
  - Monomode 9/125 µm G652D or G657A2
  - Multimode 50/125 µm OM3 and OM4

These patchcords can be cabled according to 3 methods/polarities (ANSI/TIA-568-C.3):

Polarity A – Straight Cabling Side A: Key up/Side B: Key down	**Polarity B** – Cross Cabling Side A: Key up/Side B: Key up	**Polarity C** – Cross Cabling in pairs Side A: Key up/Side B: Key down

UNIBOOT PATCHCORD

More compact than traditional zipcord patchcords, FOLAN polarity-change uniboot LC patchcords are patchcords that respond to Data Centers' space limitations.

The connectors are mounted on a 2 mm diameter cable containing 2 fibres and can be handled without using a tool or damaging the fibres.
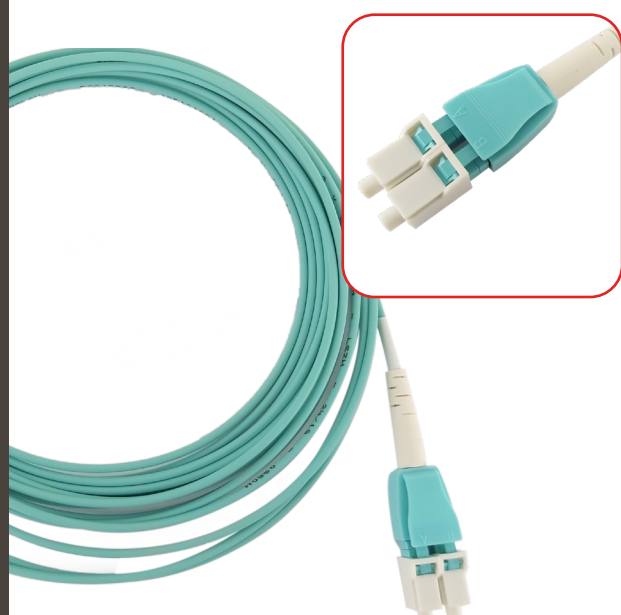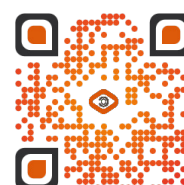
There are two types of cable for these patchcords: as standard, FOLAN patchcords have cross cabling (A to B) but it is possible to switch to straight cabling (A to A) by reversing the polarity on one side.

### POLARITY CHANGE
IN ONLY 30 SECONDS!
WATCH THE VIDEO

PATCHCORDS

Essential components in a Data Center's infrastructure, patchcords are found in IT rooms or server rooms. They enable a link between servers and other active equipment and patch panels and also enable a direct interconnection between active hardware. These patchcords are also found in the Meet-Me Room to connect operator farms to distribution farms.

To meet the standards imposed by Data Centers, in particular in terms of size and speed, they are available with several connections, diameters and types of optical fibre.

CONNECTIONS
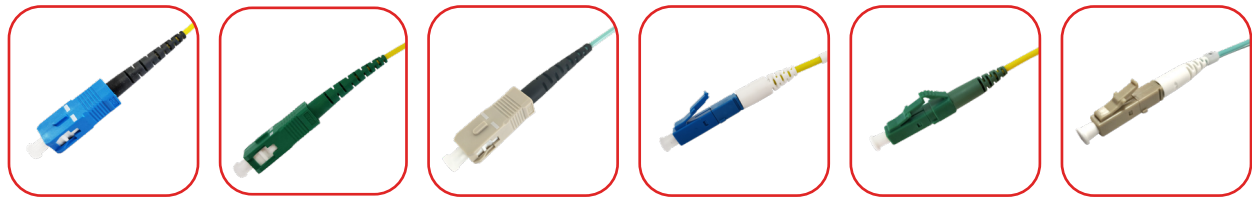
| SC-UPC | SC-APC | SC-PC | LC-UPC | LC-APC | LC-PC |

ARCHITECTURE
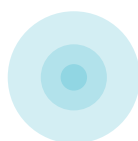
SIMPLEX PATCHCORD ZIPCORD PATCHCORD DUPLEX PATCHCORD

TYPE OF FIBRE

| MONOMODE G652D OR G657A2 | MULTIMODE OM3 AND OM4 | MULTIMODE OM4 | MULTIMODE OM5 |

LENGTH

FOLAN patchcords are packaged in individual bags. The standard lengths are from 0.5 to 20 m and other lengths are available on request.

RACK ACCESSORIES

FOLAN's offering comprises cable guide strips, brush strips and plastic cable guides enabling optimised cable management, fitting accessories such as sliding trays, storage patch panels and power strips (PDU rackable multi-socket) that meet the rack upgrade needs.

Advantages: optimal compatibility, ease of cabling and upgrades

FIXED TRAYS

To incorporate non-compatible equipment in 19" format
Format: 19"/1 U
Depth: 300, 500 or 700 mm
Maximum load: 60 kg
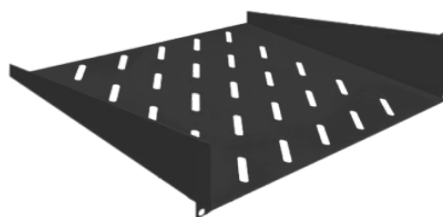
MODEM TRAYS

Enables the installation of active hardware in a rack
Format: 19"/2 U
Depth: 300 mm or 350 mm
Maximum load: 25 kg

SLIDING TRAYS

To incorporate non-compatible equipment in 19" format
Format: 19"/1 U
Depth: 300, 500 or 700 mm
Maximum load: 40 kg

PATCHCORD MANAGEMENT TRAYS

For fastening at the back and managing overlengths
Format: 19"/1 U
Depth: 265 mm
Maximum load: 20 kg

CABLE GUIDE STRIP WITH PROTECTION

Format: 19"/1 U
Removable pivoting plastic cover
24 plastic rings

CABLE GUIDE STRIPS 5 RINGS

Format: 19"/1 or 2 U
Equipped with metal rings

BRUSH STRIP

Format: 19"/1 U
Metal strip
Thick nylon wires

STORAGE PATCH PANEL

Storage in a lockable compartment
Format: 19"/2 U
Depth: 300 mm
Maximum load: 40 kg
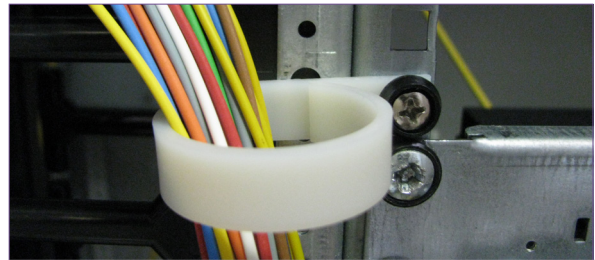
FULL STRIPS

Format: 19"/1 to 4 U
Metal strips

VENTILATORS WITH THERMOSTAT

Format: 19"/1 U
Integration of a thermostat to regulate ventilation according to temperature.

CABLE GUIDE HOOK

Clippable on 19" posts
Dimensions: 35 x 44 mm
2 possible positions: horizontal or vertical

CABLE GUIDE RING

Fastening on 19" posts
Compatible with patch panel fastening tab
2 diameters: 25 mm or 38 mm

9-SOCKET POWER STRIPS

Format: 19"/1 U
With or without a switch
Sockets + Ground NF 16 A/250 V
Cable length: 2.3 m

6-SOCKET POWER STRIPS

Format: 19"/1 U
2 versions: - with switch, circuit breaker and 3 light indicators – with differential circuit breaker 30 mA
Sockets + Ground NF 16 A/250 V

Do you have a **project** to implement?
Contact us to find the solution that will suit **YOU**.

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