Prysmian Group

Telecom Connectivity Catalogue

OPTICAL CONNECTIVITY SOLUTIONS
FROM THE WORLD'S LEADING PROVIDER

Welcome to Prysmian Group

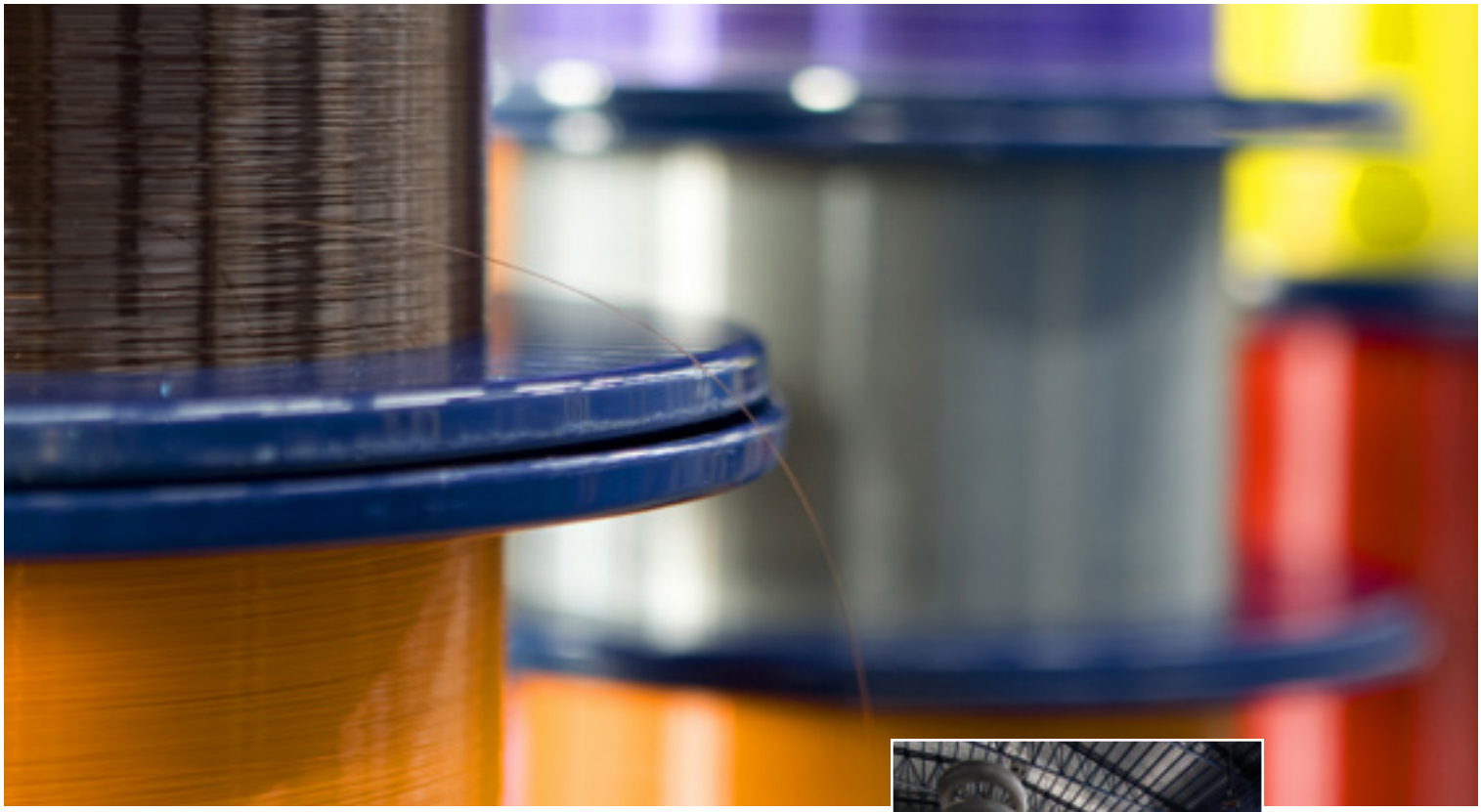
Excellence and integrity in energy and communication

We believe passionately in one key principle.

That our **customers and innovation** should drive all that we do.

It's why we're the **world's largest and leading energy and telecoms cable company**.

We work directly with our customers to develop our products, services and technologies. And thanks to a dedication to research and development, our portfolio continues to grow every day.



Prysmian Telecoms

It's all in the details

We put our customers at the heart of all we do. And our attention to detail is second to none. It means our designs are customised to perfectly match your individual needs. It means our solutions are as unique as you are. It means we're linking today to the future, creating connections between people for a better world.

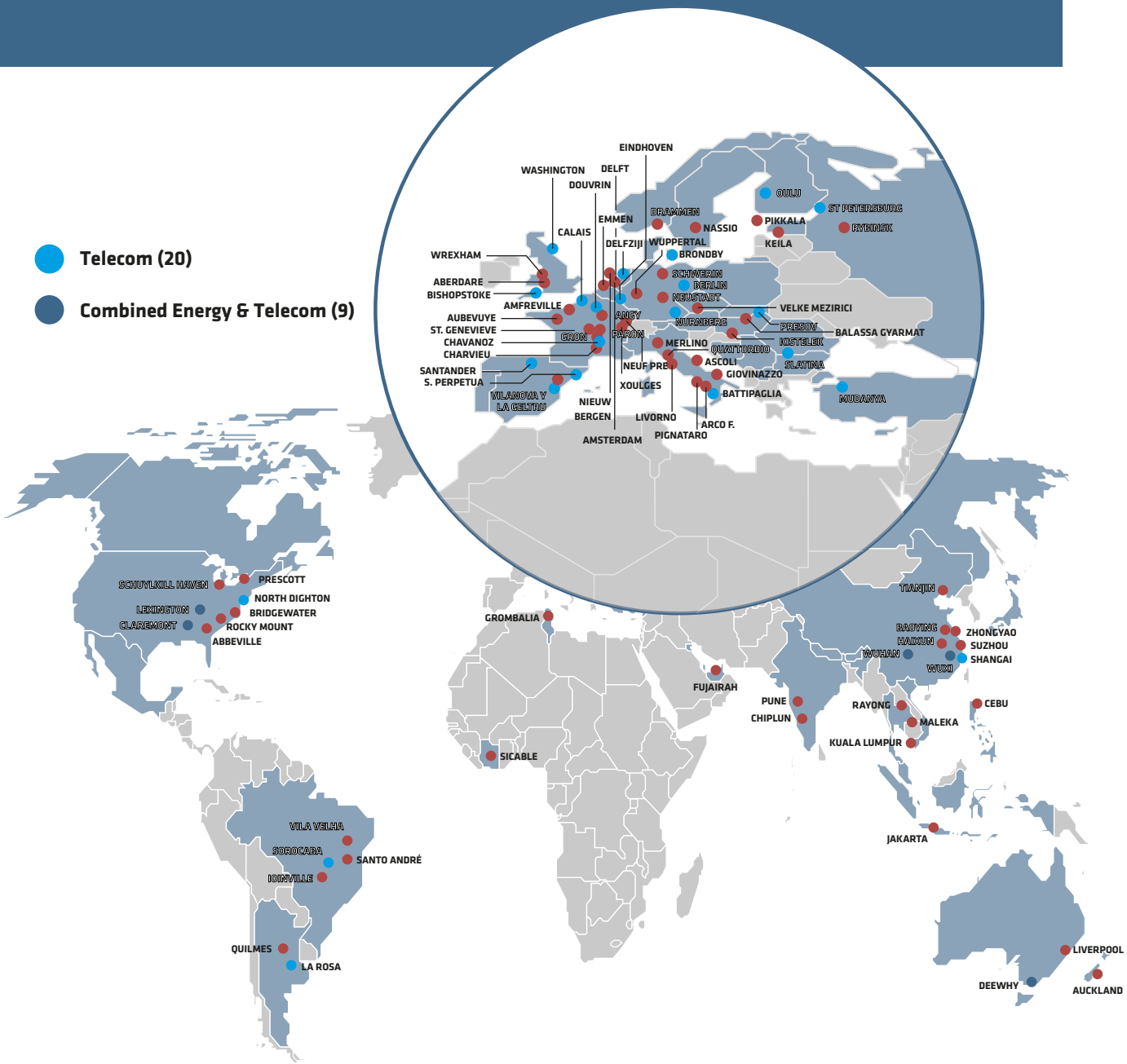
Connecting continents, countries and communities

Information and communication sit at the heart of global development. And Prysmian Telecoms solutions sit at the heart of many of the planet's main infrastructures.

- World's largest producer of telecom cables
- A truly global footprint
- Driven by R&D

Telecom (20)

Combined Energy & Telecom (9)



What do we offer?

The most extensive range of telecom products, services, technologies and know-how available on the market.

- Telecom solutions
- Optical fibre
- Multimedia solutions

Telecom solutions

Whatever the concern, be it capacity, high transmission, low interference or electromagnetic capability, our products are engineered to deliver.

Portfolio

- Optical cables
- Connectivity products
- Optical ground wire (OPGW) and special cables
- Copper cables

Optical fibre

From standard applications to challenging and inaccessible environments; from underground ducts to overhead lines; from single and multimode to specialty fibres, tubes and core rods. We offer innovative fibre cabling technology that delivers information wherever and whenever it's required. Fast.

Portfolio

- Single mode fibre
- Multimode fibre
- Specialty fibre

Multimedia solutions

Complete, flexible and reliable cable communication solutions for buildings, industry and transport infrastructures.

Portfolio

- Datacom solutions
- Multimedia specials
- Mobile network solutions
- Signalling solutions

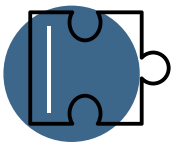
Why choose Prysmian Telecoms?

Because, in short, we do it better

Because, in short, we do it all. From start to finish, and beyond. It's why we're the cable experts in the field.

Whether we're talking research and design, creation and testing, or installation and post-deployment – we've got every aspect covered.

All our telecoms cable products are developed with a **long lifespan** and a next-generation market in mind. They're **flexible and cost-effective too**.



Flexibility in design

We can customise and optimise our products to suit any network type.

Cost efficiency

Our products are engineered for rapid installation and easy maintenance access.

Simple upgrading

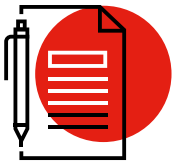
The majority of our range is built using a modular approach.

Unmatched reliability

Our products are tested in accordance with world-class standards such as IEC and Telcordia. And 100% of test reports are stored in our database for full traceability.

Superior quality & performance

Our experts and global centres of excellence work to leading global standards such as ISO 9001 and 14000.



Seamless service

A dedicated supply chain – from raw materials to the very end user – means on time delivery (OTD) and flexibility in new solutions. We also guarantee a response within 48 hours.

Unrivalled technology

We control the whole process – from design to manufacture to implementation – and at the core of this process sits R&D. It's why we boast PCVD fibre technology ownership. And it's why our telecoms solutions are suitable for next-generation fibre networks.

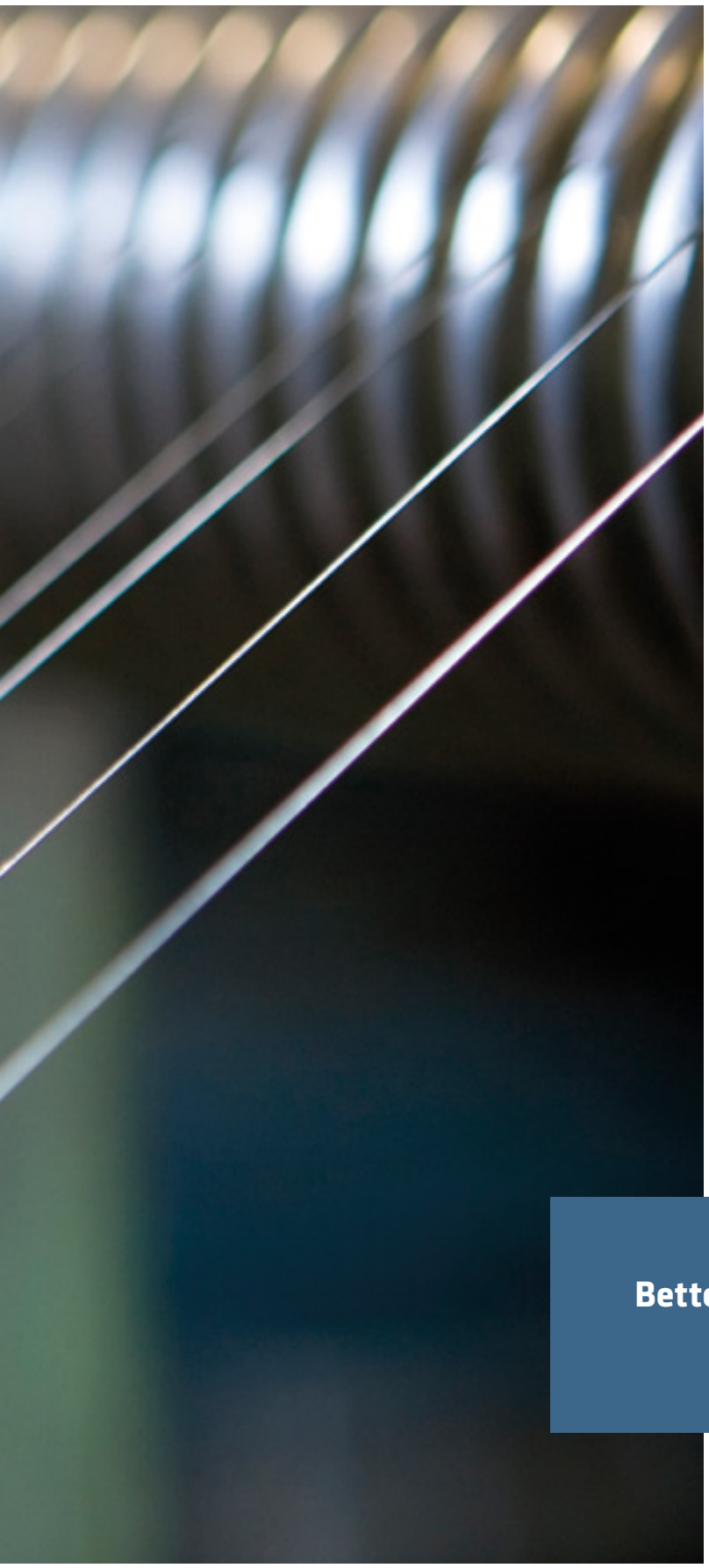
All your cable management needs covered. Regardless of network type.

Telecom connectivity products

Delivering only the exceptional

Prysmian Group offers an extensive range of optical cables for every environment, available in a wide range of fibre counts, fibre types and mechanical constructions.

We also provide connectivity solutions designed for versatility, covering all cable management needs, whatever the network type.



Your challenge...

Growing demand for high optical network performance

Increasing the demand for lower power consumption, high density splicing and patching options across fibre networks.

Stretched optical power budgets

The importance of positive fibre management in each and every section of the network is increasingly a matter of priority, in order to minimise power loss.

Space limitations

Creating the need for high-density splicing and patching options in all areas of the network.

Our solution...

An optical connectivity portfolio that enables customers to create or manage networks capable of meeting today's demands, and tomorrow's too.

Better performing FTTx networks, and happier end users.

Connectivity products

Use within aerial and underground installations, central offices, exchanges, customer premises and external networks.




Pre-connectorised products

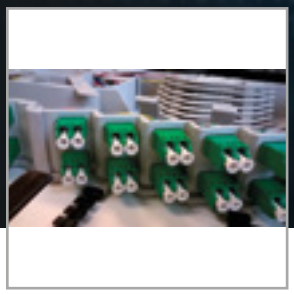
Prysmian offers an extensive range of high-performance optical fibre accessories as an essential part of an integrated product or networking solution.

Connectivity products

Rack-mounted products

Prysmian offers a wide range of racks, together with a large variety of shelves and trays, for splicing, patching, splitting and/or storage.

All are suitable for application in exchanges, central hubs, offices and data centres.



Sub-Rack System (SRS4000)

Description

A modular 19" and ETSI sub-rack system available in a variety of configurations.

Features

- Modules pivot outwards for easy access
- Fibres are completely protected from entry to exit of panel
- Capacity up to 48 SC or 96 LC adapters
- Fibre management
- Can accommodate splitters

Applications

- Distribution frames and street cabinets
- FTTH and data networks

Technical data

Max number of splices per HU	96 fibres
Max number of adapters per HU	96 (LC), 48 (SC), 24 (FC, ST & E2000)
Max number of patchcords per HU	96 with 1.6 mm diameter patchcords
Max input cable diameter	14 mm

Overview

The system consists of a metal chassis available in 1U, 2U and 3U, into which your choice of modules is loaded. Supplied front mounted as standard; rear mounting brackets are available as an option.

Splicing and bare fibre excess storage is performed inside a tray protected by a cover, to prevent any accidental damage when opening and closing the shelves. The sub-rack can be supplied fully configured or with empty modules ready for upgrading at a later date.

Supply options:

- ✓ Splice & patch
- ✓ Splice only
- ✓ Patch only
- ✓ Connectorised splitters
- ✓ Patchcord storage

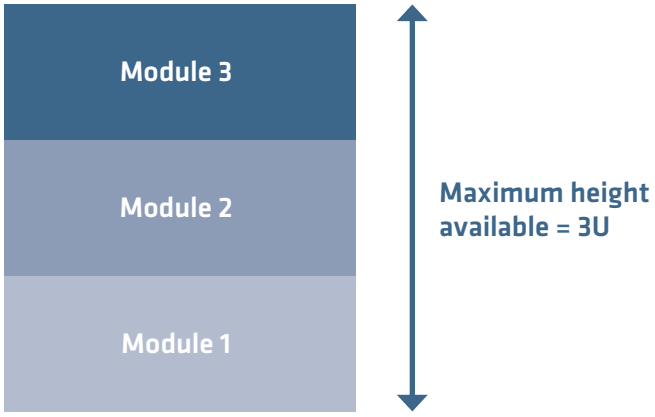
Pigtails are supplied with either UPC or APC connectors. UPC connectors can also be used in cases where PC or SPC connectors are required.

Part numbers

The SRS4000 is supplied with modules pre-fitted by Prysmian

Part numbers are built up using a coding system:

1. Size of chassis is selected from 1U, 2U and 3U
2. Splice protector type is selected from a choice from crimp, 1.3 mm or 2.2 mm splice protectors
3. The final module is selected from the tables on the following pages



Example	Product code	Dash	Slice protector type	Dash	Module 1 code	Dash	Module 2 code	Dash	Module 3 code
1	S4	-	H	-	001				
2	S4	-	C	-	019				
3	S4	-	H	-	001	-	019		
4	S4	-	X	-	107	-	107	-	118

Always S4

C = Crimp or 1.3 mm HS splice protector
H = 2.2 mm HS splice protector
X = None (for patch only/splitter sub-racks)

Only enter codes for modules required
For 1U enter just one code
For 2U enter just two codes
For 3U enter just three codes

Please see the following pages for specific module codes.

Splice and Patch Module

- Use to splice cable fibres to pigtails for termination
- Available with pre-fitted pigtails and adapters, or empty ready for installation at a later date
- A large variety of capacities and connector types are available as shown across the following pages

Connector type	Fibre type	Adaptor type	No. of fibres	Code
SC/UPC	SM	Simplex	12	**010**
SC/UPC	SM	Simplex	24	**011**
SC/UPC	SM	Duplex	12	**012**
SC/UPC	SM	Duplex	24	**013**
SC/UPC	SM	Quad*	24	**014**
SC/UPC	SM	Quad*	48	**015**
SC/APC	SM	Simplex	12	**016**
SC/APC	SM	Simplex	24	**017**
SC/APC	SM	Duplex	12	**018**
SC/APC	SM	Duplex	24	**019**
SC/APC	SM	Quad*	24	**020**
SC/APC	SM	Quad*	48	**021**

Connector type	Fibre type	Adaptor type	No. of fibres	Code
SC	62.5/125	Simplex	12	**022**
SC	62.5/125	Simplex	24	**023**
SC	62.5/125	Duplex	12	**024**
SC	62.5/125	Duplex	24	**025**
SC	62.5/125	Quad*	24	**026**
SC	62.5/125	Quad*	48	**027**
SC	50/125	Simplex	12	**028**
SC	50/125	Simplex	24	**029**
SC	50/125	Duplex	12	**030**
SC	50/125	Duplex	24	**031**
SC	50/125	Quad*	24	**032**
SC	50/125	Quad*	48	**033**

LC/UPC	SM	Duplex	24	**034**
LC/UPC	SM	Duplex	48	**035**
LC/UPC	SM	Quad	24	**036**
LC/UPC	SM	Quad	48	**037**
LC/UPC	SM	12 Way	96	**066**
LC/APC	SM	Duplex	24	**038**
LC/APC	SM	Duplex	48	**039**
LC/APC	SM	Quad	24	**040**
LC/APC	SM	Quad	48	**041**
LC/APC	SM	12 Way	96	**067**

LC	62.5/125	Duplex	24	**042**
LC	62.5/125	Duplex	24	**042**
LC	62.5/125	Duplex	48	**043**
LC	62.5/125	Quad	24	**044**
LC	62.5/125	Quad	48	**045**
LC	62.5/125	12 Way	96	**068**
LC	50/125	Duplex	24	**046**
LC	50/125	Duplex	48	**047**
LC	50/125	Quad	24	**048**
LC	50/125	Quad	48	**049**
None	Two blanking plates to be upgraded later			**001**

For other connector types, please don't hesitate to contact Prysmian.

* The word 'Quad' in these instances refers to two duplex adapters next to each other.
For 48f SC or LC modules – use 2.0 mm diameter patchcords
For 96f LC modules – use 1.6 mm diameter patchcords

Patch Only Module

- Use to install pre-terminated cables into the SRS shelf for termination
- Available with pre-fitted adapters or empty ready for installation of adapters at a later date

Connector type	Fibre type	Adaptor type	No. of fibres	Code
SC/UPC	SM	Simplex	12	**107**
SC/UPC	SM	Simplex	24	**108**
SC/UPC	SM	Duplex	12	**109**
SC/UPC	SM	Duplex	24	**110**
SC/UPC	SM	Quad*	24	**111**
SC/UPC	SM	Quad*	48	**112**
SC/APC	SM	Simplex	12	**113**
SC/APC	SM	Simplex	24	**114**
SC/APC	SM	Duplex	12	**115**
SC/APC	SM	Duplex	24	**116**
SC/APC	SM	Quad*	24	**117**
SC/APC	SM	Quad*	48	**118**

Connector type	Fibre type	Adaptor type	No. of fibres	Code
SC	MM	Simplex	12	**119**
SC	MM	Simplex	24	**120**
SC	MM	Duplex	12	**121**
SC	MM	Duplex	24	**122**
SC	MM	Quad*	24	**123**
SC	MM	Quad*	48	**124**
-	-	-	-	**-**
-	-	-	-	**-**
-	-	-	-	**-**
-	-	-	-	**-**
-	-	-	-	**-**
-	-	-	-	**-**

LC/UPC	SM	Duplex	24	**125**
LC/UPC	SM	Duplex	48	**126**
LC/UPC	SM	Quad	24	**127**
LC/UPC	SM	Quad	48	**128**
LC/UPC	SM	12-way	96	**145**
LC/APC	SM	Duplex	24	**129**
LC/APC	SM	Duplex	48	**130**
LC/APC	SM	Quad	24	**131**
LC/APC	SM	Quad	48	**132**
LC/APC	SM	12-way	96	**146**

LC	MM	Duplex	24	**133**
LC	MM	Duplex	48	**134**
LC	MM	Quad	24	**135**
LC	MM	Quad	48	**136**
LC	MM	12-way	96	**147**
-	-	-	-	**-**
-	-	-	-	**-**
-	-	-	-	**-**
-	-	-	-	**-**
-	-	-	-	**-**
None	Two blanking plates to be upgraded later			**100**

For other connector types, please don't hesitate to contact Prysmian.

*The word 'Quad' in these instances refers to two duplex adapters next to each other.
For 48 fibre modules – use 2.0 mm diameter patchcords
For 96 fibre modules – use 1.6 mm diameter patchcords

Splice Only Module

- Use to splice cable fibres directly to connectorised pigtails, or for cable jointing within the SRS4000
- Can accommodate up to 48 splices
- Available in two versions

Version 1
Splice cable-to-cable, or cable-to-blown-fibre, thanks to a bulkhead adapter panel for tube retention.

Version 2
Splice ruggedised pigtails to the input cable.
Supplied with a panel to accommodate aramid restraints.

No. of fibres	Adaptor type	Code
48	Cable/Blown fibre	200
48	Ruggedised pigtails	201

Splitter Module

- Use to mount pre-connectorised splitters onto adapter panels
- Both the splitter input and output legs are connectorised, providing a plug and play solution

Connector type	Adaptor type	No. of splitters	Splitter size	Splitter type	Code
SC/APC	Simplex	4	1x2	FB	438
SC/APC	Simplex	8	1x2	FB	439
SC/APC	Duplex	4	1x2	FB	440
SC/APC	Duplex	8	1x2	FB	441
SC/APC	Quad*	4	1x2	FB	442
SC/APC	Quad*	8	1x2	FB	443
SC/APC	Quad*	12	1x2	FB	444
SC/APC	Simplex	2	1x4	PLC	445
SC/APC	Simplex	4	1x4	PLC	446
SC/APC	Duplex	2	1x4	PLC	447
SC/APC	Duplex	4	1x4	PLC	448
SC/APC	Quad*	4	1x4	PLC	449
SC/APC	Quad*	8	1x4	PLC	450

Connector type	Adaptor type	No. of splitters	Splitter size	Splitter type	Code
LC/APC	Duplex	4	1x2	FB	489
LC/APC	Duplex	8	1x2	FB	490
LC/APC	Duplex	12	1x2	FB	491
LC/APC	Quad	4	1x2	FB	492
LC/APC	Quad	8	1x2	FB	493
LC/APC	Quad	12	1x2	FB	494
LC/APC	Duplex	4	1x4	PLC	495
LC/APC	Duplex	8	1x4	PLC	496
LC/APC	Quad	4	1x4	PLC	497
LC/APC	Quad	8	1x4	PLC	498

FB = Fused Bionic and
PLC = Planar Light Circuit

Connector type	Adaptor type	No. of splitters	Splitter size	Splitter type	Code
SC/APC	Simplex	1	1x8	PLC	451
SC/APC	Simplex	2	1x8	PLC	452
SC/APC	Duplex	1	1x8	PLC	453
SC/APC	Duplex	2	1x8	PLC	454
SC/APC	Quad*	2	1x8	PLC	455
SC/APC	Quad*	4	1x8	PLC	456
SC/APC	Simplex	1	1x16	PLC	457
SC/APC	Duplex	1	1x16	PLC	458
SC/APC	Quad*	1	1x16	PLC	459
SC/APC	Quad*	2	1x16	PLC	460
SC/APC	Quad*	1	1x32	PLC	461

Connector type	Adaptor type	No. of splitters	Splitter size	Splitter type	Code
LC/APC	Duplex	2	1x8	PLC	499
LC/APC	Duplex	4	1x8	PLC	500
LC/APC	Quad	2	1x8	PLC	501
LC/APC	Quad	4	1x8	PLC	502
LC/APC	Duplex	1	1x16	PLC	503
LC/APC	Duplex	2	1x16	PLC	504
LC/APC	Quad	1	1x16	PLC	505
LC/APC	Quad	2	1x16	PLC	506
LC/APC	Duplex	1	1x32	PLC	507
LC/APC	Quad	1	1x32	PLC	508
LC/APC	12-Way	1	1x64	PLC	602

For other connector types and splitter combinations, please don't hesitate to contact Prysmian.

* The word 'Quad' in these instances refers to two duplex adapters next to each other.
For 48 fibre modules – use 2.0 mm diameter patchcords. For 96 fibre modules – use 1.6 mm diameter patchcords.

Splice and Patch Upgrade Kit

- Use to increase the capacity of splice and patch modules that have been supplied empty or partially populated
- Kit comprises an adapter plate, adapters, pigtails, and a splice holder

Connector type	Fibre type	Adaptor type	No. of fibres	Code
SC/UPC	SM	Simplex	12	XSRSC00292
SC/UPC	SM	Duplex	12	XSRSC00296
SC/UPC	SM	Quad*	24	XSRSC00344
SC/APC	SM	Simplex	12	XSRSC00295
SC/APC	SM	Duplex	12	XSRSC00299
SC/APC	SM	Quad*	24	XSRSC00345
LC/UPC	SM	Duplex	24	XSRSC00300
LC/UPC	SM	Quad	24	XSRSC00304
LC/APC	SM	Duplex	24	XSRSC00303
LC/APC	SM	Quad	24	XSRSC00307

Connector type	Fibre type	Adaptor type	No. of fibres	Code
SC	62.5/125	Simplex	12	XSRSC00293
SC	62.5/125	Duplex	12	XSRSC00297
SC	62.5/125	Quad*	24	XSRSC00346
SC	50/125	Simplex	12	XSRSC00294
SC	50/125	Duplex	12	XSRSC00298
SC	50/125	Quad*	24	XSRSC00347
LC	62.5/125	Duplex	24	XSRSC00301
LC	62.5/125	Quad	24	XSRSC00305
LC	50/125	Duplex	24	XSRSC00302
LC	50/125	Quad	24	XSRSC00306

Patch Only Upgrade Kit

- Use to increase the capacity of patching modules that have been supplied empty or partially populated
- Kit comprises an adaptor plate and adapters

Connector type	Fibre type	Adaptor type	No. of fibres	Code
SC/UPC	SM	Simplex	12	XSRSC00144
SC/UPC	SM	Duplex	12	XSRSC00145
SC/UPC	SM	Quad*	24	XSRSC00146
SC/APC	SM	Simplex	12	XSRSC00147
SC/APC	SM	Duplex	12	XSRSC00148
SC/APC	SM	Quad*	24	XSRSC00149
LC/UPC	SM	Duplex	24	XSRSC00153
LC/UPC	SM	Quad	24	XSRSC00154
LC/APC	SM	Duplex	24	XSRSC00155
LC/APC	SM	Quad	24	XSRSC00156

Connector type	Fibre type	Adaptor type	No. of fibres	Code
SC	MM	Simplex	12	XSRSC00150
SC	MM	Duplex	12	XSRSC00151
SC	MM	Quad*	24	XSRSC00152
LC	MM	Duplex	24	XSRSC00157
LC	MM	Quad	24	XSRSC00158

For other connector types please don't hesitate to contact Prysmian.

* The word 'Quad' in these instances refers to two duplex adapters next to each other.
For 48 fibre modules – use 2.0 mm diameter patchcords
For 96 fibre modules – use 1.6 mm diameter patchcords

Additional items

ETSI Conversion Bracket

Part no. **XKTSC00171**

- Enables the SRS4000 to be installed into an ETSI rack
- Is secured to the unit using four fixing screws
- For a 1U shelf, one bracket is required
- For a 2U or 3U shelf, two brackets are required

Rear Mounting Bracket

Part no. **XSRSC00361**

- Use to install an SRS4000 shelf into a rear mounted rack
- The bracket simply bolts to the back of the SRS shelf, providing fixing holes for securing to a rear-mounted 19" rack
- For a 2U or 3U shelf, two brackets are required

ARS Cable Anchor

Part no. **XSRSC00360**

- Use to install an additional cable into an SRS4000 shelf
- Enables a single cable to be anchored, and for fibres to be distributed onto the shelf
- Suitable for cables between 12 and 48 fibres
- Bend limiting routing tubes, to protect those fibres being routed to the shelf, are also supplied in the kit
- Also allows for anchoring/termination of both the cable strength member and any aramid within the cable construction

BEM Cable Clamp

Part no. **XEXSC00960** – BEM + 20 m of bend limiting tube

- Use to anchor cable within the rack or to an SRS4000 mounting chassis, and route the fibres onto the modules
- Suitable for cables between 36 and 192 fibres
- 20 m of routing tube is also supplied

1.3 mm Heat Shrink Splice Protectors

Part no. **XKTSC01284** *(Pack of 12)*
Part no. **XPESC00057** *(Pack of 50)*

- 1.3 mm in diameter and 30 mm in length

2.2 mm Heat Shrink Splice Protectors

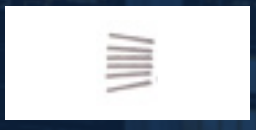
Part no. **XKTSC00050** *(Pack of 12)*
Part no. **XPESC00053** *(Pack of 50)*

- 2.2 mm in diameter and 45 mm in length

1.3 mm Mechanical Crimp Splice Protectors

Part no. **XKTSC00079** *(Pack of 12)*
Part no. **XKTSC00078** *(Pack of 50)*

- 1.3 mm x 3.2 mm and 30 mm in length. Use to protect the fibre splice



Racks and cabinets

Prysmian offers a wide range of racks, together with a large variety of shelves and trays for splicing, patching, splitting and/or storage.

All are suitable for application in exchanges, central hubs, offices and data centres.

Rack System (RS4000)

Description

A standard rack with 19" mounting rails and patchcord storage mandrels, used to accommodate a range of SRS4000 shelves and sub-racks or any other 19" rack-mounted products.

Applications

- Central and remote offices (PoP)
- FTTH and data networks

Technical data – Maximum capacities

42U height:	**40 SRS4000 shelves (1U)** 3,840 splice and patch with LC connectors 1,920 splice and patch with SC connectors 960 splice and patch with FC, ST and E2000
47U height:	**45 SRS4000 shelves (1U)** 4,320 splice and patch with LC connectors 2,160 splice and patch with SC connectors

Overview

900 mm wide by 300 mm deep, the rack is available in 42U and 47U heights (2,000 and 2,200 mm).

Supplied with:

- ✓ Side channels
- ✓ Doors
- ✓ 19" mounting rails
- ✓ Patchcord storage mandrels
- ✓ Cable anchor brackets

Part numbers

Part no. **XEXSC02726**
RS4000 – 42U RACK (2000 x 900 x 300 mm)

Part no. **XEXSC02727**
RS4000 – 47U RACK (2200 x 900 x 300 mm)

Features

- Fully configured as a composed rack
- Cables are anchored and distributed on the left-hand side
- Patchcord storage mandrels on the right-hand side, for storage and bend management

Additional items

Cable Entry Glands

Part no. **XKTSC00287**
Cable diameter 9 to 17 mm
(pack of 10) – drill size 25 mm

Part no. **XKTSC00288**
Cable diameter 17 to 25 mm
(pack of 5) – drill size 32 mm

Part no. **XKTSC00289**
Cable diameter 22 to 32 mm
(pack of 5) – drill size 40 mm

Part no. **XKTSC00290**
Cable diameter 30 to 38 mm
(pack of 5) – drill size 50 mm

- Use to seal input and output cables into a cabinet
- Cabinet is fitted with gland plates in the left and right-hand side
- Gland plates are drilled for the required gland

ARS Cable Anchor Kits

Part no. **XSRSC00360**
ARS + 1.5 m of bend limiting tube

Part no. **XEXSC00962**
ARS + 10 m of bend limiting tube

Part no. **XEXSC00963**
ARS + 10 m of RFH tube

- Use to install an additional cable into an SRS shelf, or into a rack for routing to a number of shelves
- Bend limiting routing tubes, to protect the fibres being routed to the shelf, are also supplied in the kit
- Also allows for anchoring/ termination of both the cable strength member and any aramid within the cable construction

Rack Fixing Kit

Part no. **XEXSC02562**
Side fixing – fixing a rack to an adjacent rack *(left or right)*

Part no. **XEXSC02563**
Rear fixing – fixing a rack to another rack *(back to back)*

Part no. **XEXSC02564**
Wall fixing – fixing a rack to a wall

- Available to secure the rack to another in the suite, or to a wall

Blown Fibre Manifold

Part no. **XKTSC00257**

- Use to take up to 6 blown fibre tubes of 5 mm in diameter onto one SRS4000 module
- Fits onto the back of the SRS4000 chassis
- Supplied with a protective cover

Cable Anchor Brackets

Part no. **XKTSC00285** *(pack of 2)*

- Four cable anchor brackets are supplied with the rack for securing cables on the left-hand side
- Additional brackets can be ordered if required and are supplied as a set of two including fixing screws

ETSI Conversion Bracket

Part no. **XKTSC00171**

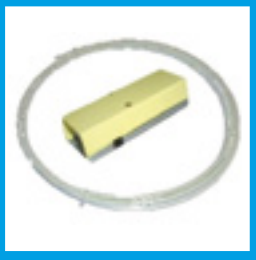
- Enables the SRS4000 to be installed into an ETSI rack
- The brackets are secured to the unit using four fixing screws
- For a 1U shelf, one bracket is required
- For a 2U or 3U shelf, two brackets are required

BEM Cable Clamp Kits

Part no. **XEXSC00960**
BEM +20 m of bend limiting tube

Part no. **XEXSC00961**
BEM +20 m of RFH tube

- Use to anchor the cable within a rack or to an SRS4000 mounting chassis, and to route the fibres onto the modules
- Suitable for cables between 36 and 192 fibres
- 20 m of routing tube also supplied



Street Cabinets

Prysmian offers a wide range of racks, together with a large variety of shelves and trays for splicing, patching, splitting and/or storage.

All are suitable for application in street side cabinets and fibre distribution hubs.

Fibre Distribution Hub and Street Side Cabinet (FDH & SC)

Description

Cabinets with 19" mounting rails, used to accommodate a range of SRS4000 shelves and sub-racks, or any other 19" rack-mounted products.

Features

- Supplied fully configured as a composed rack
- Cables are anchored and distributed on the left-hand side
- Patchcord storage mandrels on the right-hand side, for storage and bend management

Applications

- Remote distribution nodes
- FTTH networks
- Passive optical networks (PONs)

Technical data – Maximum capacities

SC Street Cabinet	**18 SRS4000 shelves (1U)** 1728 splice and patch with LC connectors 864 splice and patch with SC connectors
FDH Street Cabinet	**20 SRS4000 shelves (1U)** 1920 splice and patch with LC connectors 960 splice and patch with SC connectors

Overview

Cable brackets are supplied on the left-hand side of the cabinet to enable the installation of a range of anchor brackets. Mandrels are supplied on the right-hand side of the cabinet to manage and store patchcords.

Each cabinet can be supplied empty or pre-configured by Prysmian to your specific requirements.

Our street cabinets come fully assembled with:

- ✓ Doors, rear panel, side panels and roof
- ✓ Plinth with front access door
- ✓ Security handle fitted with lock
- ✓ Mounting rails
- ✓ Cable anchor brackets
- ✓ Patchcord storage mandrels

SC Street Cabinet

Part no. **XSCSC00003**

- 1,200 mm x 330 mm x 1,300 mm (width x depth x height incl. 300 mm plinth)
- 18 x 1U of workable internal space
- Supplied with two hinged doors
- Can accommodate standard optical cables and blown fibre tube cables
- The mild steel cabinet is painted RAL 7044 (other colours available)
- Sealing ratio IP54

FDH Street Cabinet

Part no. **XJTSC00576**

- 790 mm x 310 mm x 1,420 mm (width x depth x height incl. 395 mm plinth)
- 20 x 1U of workable internal space
- Has a large accessible front and access on both sides
- The mild steel cabinet is powder coat painted RAL-7037 grey (other colours available)
- Sealing ratio IP55

Additional items

Cable Entry Glands

Part no. **XKTSC00287**
Cable diameter 9 to 17 mm
(pack of 10) – drill size 25 mm

Part no. **XKTSC00288**
Cable diameter 17 to 25 mm
(pack of 5) – drill size 32 mm

Part no. **XKTSC00289**
Cable diameter 22 to 32 mm
(pack of 5) – drill size 40 mm

Part no. **XKTSC00290**
Cable diameter 30 to 38 mm
(pack of 5) – drill size 50 mm

- Use to seal input and output cables into a cabinet
- Cabinet is fitted with gland plates in the left and right-hand side
- Gland plates are drilled for the required gland

ARS Cable Anchor Kits

Part no. **XSRSC00360**
ARS + 1.5 m of bend limiting tube

Part no. **XEXSC00962**
ARS + 10 m of bend limiting tube

Part no. **XEXSC00963**
ARS + 10 m of RFH tube

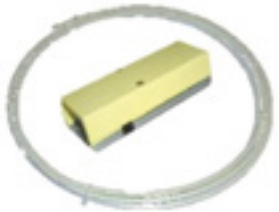
- Use to install an additional cable into an SRS shelf, or into a rack for routing to a number of shelves
- Bend-limiting routing tubes to protect the fibres being routed to the shelf are also supplied in the kit
- It also allows for anchoring/ termination of both the cable strength member and any aramid within the cable construction

BEM Cable Clamp Kits

Part no. **XEXSC00960**
BEM + 20 m of bend limiting tube

Part no. **XEXSC00961**
BEM + 20 m of RFH tube

- Use to anchor the cable within a street cabinet or to an SRS4000 mounting chassis, and to route the fibres onto the modules
- Suitable for cables between 36 and 192 fibres
- 20 m of routing tube is also supplied



Cable Anchor Brackets

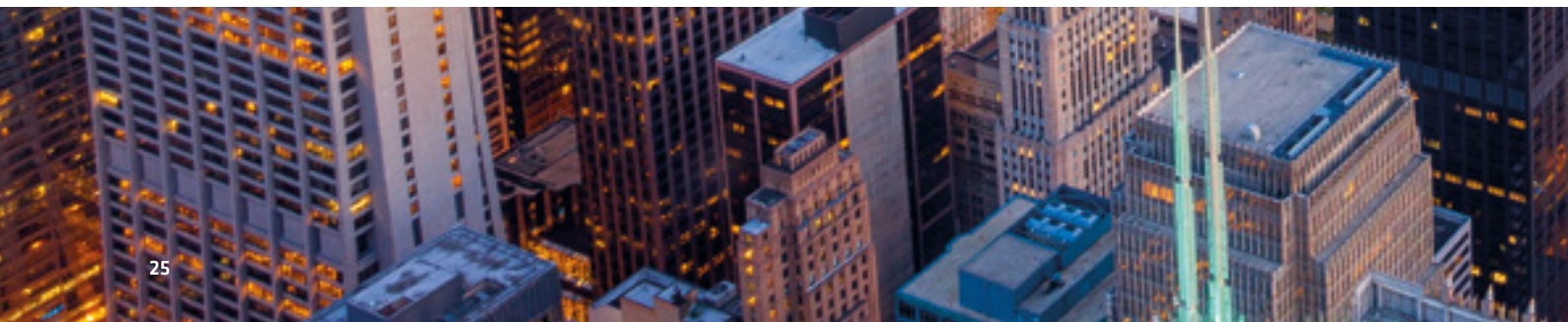
Part no. **XKTSC00285** *(pack of 2)*

- Four cable anchor brackets are supplied with the rack for securing cables on the left-hand side
- Additional brackets can be ordered if required and are supplied as a set of two including fixing screws

Blown Fibre Manifold

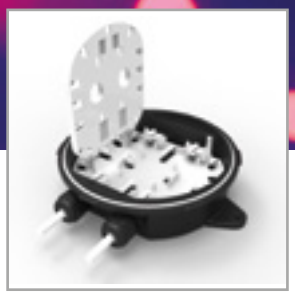
Part no. **XKTSC00257**

- Use to take up to 6 blown fibre tubes of 5 mm in diameter onto one SRS4000 module
- Fits onto the back of the SRS4000 chassis
- Supplied with a protective cover



Joints

Prysmian Group boasts a comprehensive portfolio of joints to manage the splicing and distribution of optical fibres throughout the network in both point-to-point and passive optical network (PON) environments.



Large Multi-Function Joint (LMJ)

Description

Ideal for use in track, spur and loop applications within external optical networks.

Features

- Mechanical sealed cable ports
- Various lengths available
- Capacity up to 4,032 splices
- Fibre management
- Can accommodate splitters
- Installed joint can be upgraded
- Sealed to IP68

Applications

- Backbone networks
- Distribution network
- FTTH networks

Overview

The LMJ is supplied as an empty closure with a cap, base, clamp, sealing gasket and support frame. It can accommodate a wide variety of cables such as loose tube, central loose tube, Flextube and blown fibre.

The modular tray system is designed for positive fibre management, Single Circuit Management (SCM) and Single Element Management (SEM), and the splice trays can accommodate a variety of splice protectors and splitters.

The joint has ten circular ports and one oval port for mechanical entry. Mechanical glands are used to seal cables into the circular ports. Multiway glands are also available to fit multiple cables into each circular port, depending on the cable diameter.

The closures can also be **preconfigured** by Prysmian.

Technical data

Cable ports (10 round and 1 oval)	
Oval port cable diameter	6 to 21.5 mm
Round port cable diameter	4 to 23 mm
Multi-port (in round port)	
2-way	5 to 9 mm
4-way	5 to 7 mm
8-way	3x2 mm flat cable

Large Multi-Function Joint	Short cap	Medium cap	Long cap
Diameter	310 mm	310 mm	310 mm
Length	493 mm	600 mm	721 mm
Single element modules:			
Max number of SEM trays	48 (24 + 24)	80 (40 + 40)	112 (56 + 56)
Max number of splices			
Using 12f SEM splice trays	576f	960f	1344f
Using 24f SEM splice trays	1152f	1920f	2688f
Using 36f SEM splice trays	1728f	2880f	4032f
Single circuit modules			
Max number of SCM trays	96 (48 + 48)	160 (80 + 80)	224 (112 + 112)
Max splices			
Using 4f SCM splice trays	384f	640f	896f
Part no.	**XJTSC02256**	**XJTSC02257**	**XJTSC02258**

Closures are supplied without trays and glands.

Pre-configuration tool

The LMJ is supplied as an empty closure with a cap, a base, a clamp, a sealing gasket and a support frame.

Order separately as required:

✓ Cable entry kits ✓ Splice trays ✓ Splice protectors ✓ Accessories

ENTER JOINT SIZE
S = Short 48 tray
M = Medium 80 tray
L = Long 112 tray

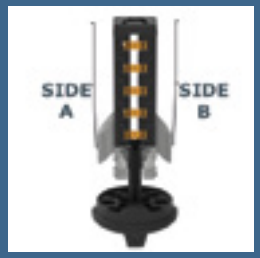
ENTER TRAY TYPE
X = None
C = Single circuit
E = Single element 12F 1.3 mm SP
F = Single element 24F 1.3 mm SP
G = Single element 36F 1.3 mm SP
H = Crimp splice protector
J = Single element 12F 2.2 mm SP
K = Single element 16F 2.2 mm SP

ENTER OVAL PORT KIT
X = None
A = 6.0 to 8.0 mm
B = 8.1 to 10.0 mm
C = 10.1 to 12.0 mm
D = 12.1 to 14.0 mm
E = 14.1 to 16.0 mm

CHOSE CIRCULAR KITS (UP TO 6)
X = None
B = Single cable entry 4-7 mm
C = Single cable entry 7-20 mm
D = Single cable entry 20-23 mm
E = 8-way for 2x3 mm flat cable
F = 8-way for 3 mm round cables
G = 2-way gland for cables 5-9 mm
M = 4-way gland for cables 5-7 mm

ENTER SPLICE PROTECTOR SIZE
X = None
A = 1.3 mm
B = 2.2 mm
C = Crimp

LMJ	-	S	-	A	H	03	-	B	H	03	-	X	-	X	X	X	X	X	X	-	X	-	X	00
JOINT		CLOSURE SIZE		JOINT SIDE	TRAY TYPE	MODULES		JOINT SIDE	TRAY TYPE	MODULES		OVAL PORT		CIRCULAR KITS							BRACKET		SP TYPE	NO PACKS



ENTER NO. OF 4-TRAY MODULES SIDE A
S = 00 to 06
M = 00 to 10
L = 00 to 14

ENTER NO. OF 4-TRAY MODULES SIDE B
S = 00 to 06
M = 00 to 10
L = 00 to 14

ENTER BRACKET
X = None
W = Wall

ENTER NO. OF PACKS OF 50 SPLICE PROTECTORS

The closures can also be **preconfigured** by Prysmian. Contact the Prysmian sales office for further information

Closure Upgrade Kits

The LMJ closure is supplied in three different sizes depending on the capacity required. An installed joint closure can be upgraded at a later date using a closure upgrade kit as shown below.

Closure upgrade kits	Description	Tray capacity	
Part no.		From	To
XJTSC02321	Short cap to medium cap	48	80
XJTSC02322	Short cap to long cap	48	112
XJTSC02323	Medium cap to long cap	80	112

Mechanical Oval Port Entry Kits

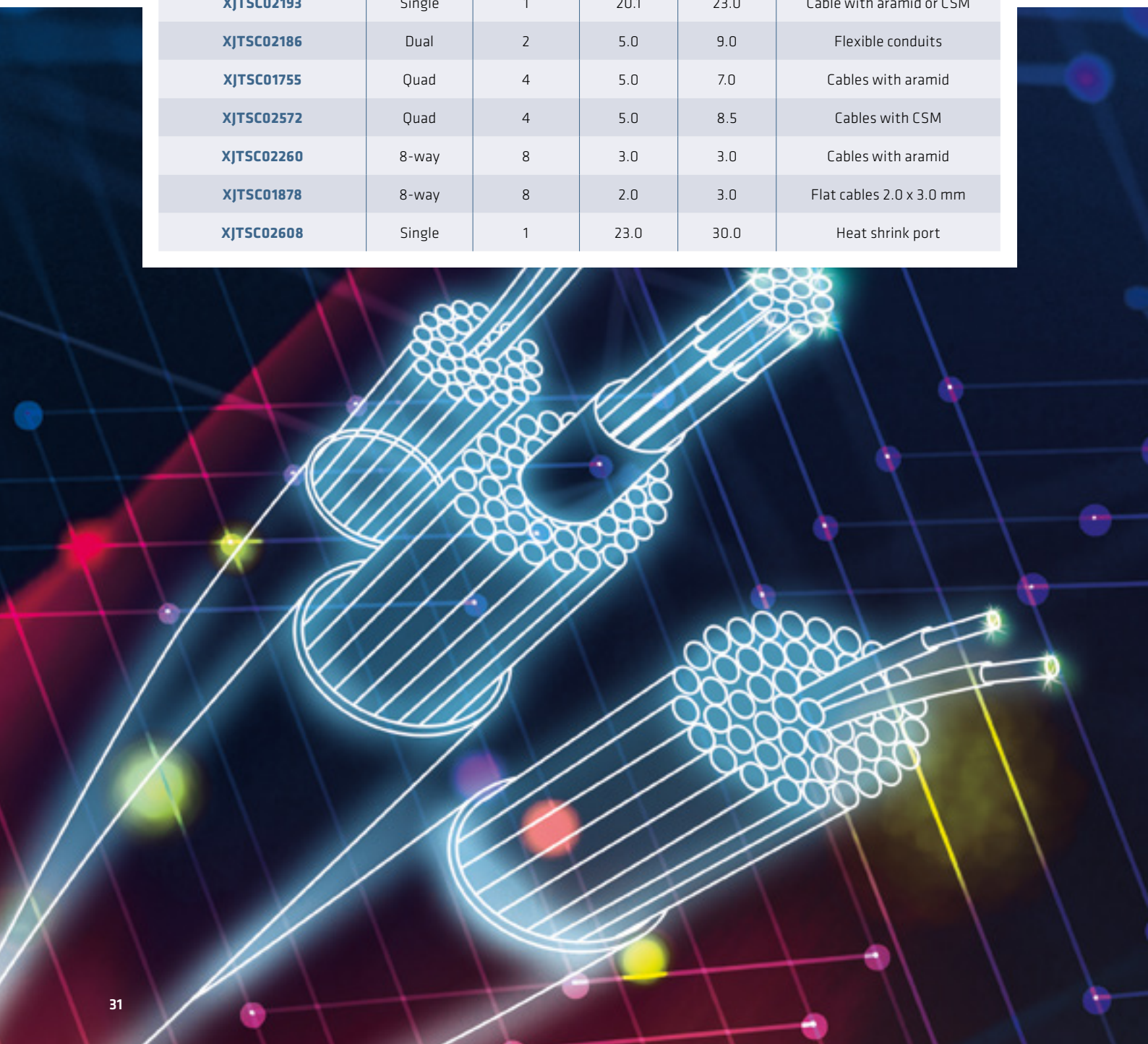
- Use to install a loop of cable into the oval port of the LMJ base
- Contains all components required to prepare and install the cable, and route the cable fibres to the splice trays
- Cables are sealed into the oval port using a mechanical gland system comprising two plates and a rubber block that fits inside the oval port of the joint
- It is important to order the correct kit dependant on the diameter of the cables to be sealed

Oval gland	Type	No. of entries	Cable Ø	
Part no.			Min.	Max.
XJTSC02382	Dual	2	6.0	8.0
XJTSC02269	Dual	2	8.1	10.0
XJTSC02270	Dual	2	10.1	12.0
XJTSC02271	Dual	2	12.1	14.0
XJTSC02272	Dual	2	14.1	16.0
XJTSC02273	Dual	2	16.1	18.0
XJTSC02555	Dual	2	18.1	20.0
XJTSC02556	Dual	2	20.1	21.5

Mechanical Round Port Entry Kits

- Use to install cables into one of the 10 round ports of the LMJ base
- The glands can be installed onto the cable and then simply pushed into the base of the joint
- Contains all parts necessary to seal the cable and secure the strength members
- Multi-way glands are available to install multiple smaller cables into one circular port
- For larger cables a heat shrink port is also available

Oval gland	Type	No. of entries	Cable Ø		Used for
Part no.			Min.	Max.	
XJTSC02278	Single	1	4.0	7.0	Cable with aramid or CSM
XJTSC01754	Single	1	7.1	20.0	Cable with aramid or CSM
XJTSC02193	Single	1	20.1	23.0	Cable with aramid or CSM
XJTSC02186	Dual	2	5.0	9.0	Flexible conduits
XJTSC01755	Quad	4	5.0	7.0	Cables with aramid
XJTSC02572	Quad	4	5.0	8.5	Cables with CSM
XJTSC02260	8-way	8	3.0	3.0	Cables with aramid
XJTSC01878	8-way	8	2.0	3.0	Flat cables 2.0 x 3.0 mm
XJTSC02608	Single	1	23.0	30.0	Heat shrink port



Splicing Modules

- Single element splicing modules for 12f, 24f and 36f per tray
- Can be utilised using 1.3 mm splice protectors
- A 12f per tray module for 2.2 mm splice protectors is also available
- A crimp splice tray is also available (using the same tray as 36f)
- The 36f tray can also be used for 12f and 24f
- When used as a 12f tray, splice protectors no longer need to be stacked

Tray	Type	Splice protector	No. of trays	Fibres per tray	Fibres capacity	Used tray positions
Part no.						
XJTSC02144	Single element 12f	1.3 X 30 mm	4	12	48	4
XJTSC02262	Single element 12f	2.2 X 45 mm	4	12	48	4
XJTSC02584	Single element 16f	2.2 X 45 mm	4	16	64	4
XJTSC02261	Single element 24f	1.3 X 30 mm	4	24	96	4
XJTSC02468	Single element 36f	1.3 X 30 mm	4	36	144	4
XJTSC02145	Single circuit 4f*	1.3 X 30 mm	8	4	32	4
XJTSC02468	Single element 12f	Crimp	4	12	48	4
XJTSC02582	Single element 24f	Ribbon	2	24	48	4
XJTSC02583	Single element 48f	1.3 X 30 mm	2	48	96	4

* Single circuit modules have double the tray capacity in the same space envelope; each tray unit incorporates a hinged second tray within the first tray. Each SC tray can accommodate four spliced fibres.

Splitter Modules

- Input fibre of the splitter is pre-installed into the bottom tray
- Output fibres are installed into a number of trays depending on size of splitter
- Splitter input tray is coloured green
- Standard splitters use G657A1 fibre

For full splitter technical information, refer to Prysmian datasheet AC005 on our website.

Splitter	Splitter ratio	Tray type	Outputs per tray	Splice protector	Used tray positions
Part no.					
XJTSC02310	1x4	SE12	4	1.3 x 30 mm	4
XJTSC02311	1x4	SC*	4	1.3 x 30 mm	4
XJTSC02312	1x8	SE12	8	1.3 x 30 mm	4
XJTSC02313	1x8	SC*	4	1.3 x 30 mm	4
XJTSC02314	1x16	SE12	8	1.3 x 30 mm	4
XJTSC02315	1x16	SC*	4	1.3 x 30 mm	4
XJTSC02316	1x32	SE24	16	1.3 x 30 mm	4
XJTSC02317	1x32	SC*	4	1.3 x 30 mm	8

* Single circuit modules double the tray capacity in the same space envelope; each tray unit incorporates a hinged second tray within the first tray. Each SC tray can accommodate four spliced fibres.

Additional items

1.3 mm Heat Shrink Splice Protectors

Part no. **XKTSC01284** *(Pack of 12)*
Part no. **XPESC00057** *(Pack of 50)*

- 1.3 mm in diameter and 30 mm in length

2.2 mm Heat Shrink Splice Protectors

Part no. **XKTSC00050** *(Pack of 12)*
Part no. **XPESC00053** *(Pack of 50)*

- 2.2 mm in diameter and 45 mm in length

1.3 mm Mechanical Crimp Splice Protectors

Part no. **XKTSC00079** *(Pack of 12)*
Part no. **XKTSC00078** *(Pack of 50)*

- 1.3 mm x 3.2 mm and 30 mm in length
- Use to protect the fibre splice

Wall/Pole Mounting Bracket

Part no. **XJTSC02597**

- Secured using either bolts or screws (provided)

Handle Kit

Part no. **XJTSC02548**

- Contains two handles and two long cable ties to ease lifting in and out of the jointing pit

Silicone Grease

Part no. **XBFSC00260** *(Pack of 5)*

- A spare tube of grease for use when adding additional cables into the multiple gland at a later date

Support Tool

Part no. **XJTSC02274**

- Allows the user to support a joint within a portable workbench

Gland Spanner

Part no. **XJTSC02320**

- Use to loosen and tighten a gland already installed into the joint, in cases where additional cable entry is required

Compact & Medium Multi-Function Joint (CMJ & MMJ)

Description

For use within an external optical network. Ideal for track, spur and loop applications due to their compact size.

Applications

- Backbone networks
- Distribution network
- FTTH networks

Features

- Mechanical sealed cable ports
- Various lengths available
- Capacity up to 288 splices
- Fibre management
- Can accommodate splitters
- Sealed to IP68

Technical data

Cable ports	**4 round and 1 oval**
Oval port cable diameter	5 up to 14.8 mm
Round port cable diameter	4 up to 23 mm
Emergency port heat shrink	E4 up to 12 mm
Multi-port (in round port)	
2-way	5 to 9 mm
4-way	5 to 7 mm
8-way	3x2 mm flat cable

Overview

The CMJ and MMJ are supplied as a complete joint with a cap, base, clamp, O-seal, fibre routing manifold, tube retainer, tube retainer cover and loop storage basket.

The splice trays are factory-fitted and each can accommodate up to 12 spliced fibres. A multi-functional bracket can be supplied with the joint, enabling vertical or horizontal wall or pole mounting.

The joint has four circular ports for mechanical entry glands, one oval port for heat shrink or mechanical entry and two additional small circular ports for heat shrink entry.

	CMJ	MMJ
Diameter	231 x 164 mm	231 x 164 mm
Length	305 mm	390 mm
Single element tray		
Max number of SE trays	12	24
Max number of splices		
Using 12f SE splice trays	144f	288f
Single circuit double tray		
Max number of SCD trays	12	24
Single circuit 4f storage areas	24	48
Max number of splices		
Using 4f SCD splice trays	96f	192f
Splitter capacity 4 x 4 x 60 mm	4	4

Oval Port Mechanical Entry Kit

- Use to install a loop of cable into the oval port of the CMJ and MMJ
- Kit contains all components required to prepare and install cable and route cable fibres to splice trays

Oval gland	Type	No. of entries	Cable Ø	
Part no.			Min.	Max.
XJTSC02028	Dual	2	5.0	7.0
XJTSC02029	Dual	2	7.1	9.0
XJTSC02030	Dual	2	9.1	11.0
XJTSC02031	Dual	2	11.1	13.0
XJTSC01896	Dual	2	13.1	14.8

Circular Port Entry Glands

- Use to install cables into one of the four circular ports of the CMJ and MMJ base
- Multi-way glands are available to install multiple smaller cables into one circular port
- The glands can be installed onto the cable and then simply pushed into base of the joint
- Kit contains all of parts necessary to seal the cable and secure strength members

Round gland	Type	No. of entries	Cable Ø		Used for
Part no.			Min.	Max.	
XJTSC02278	Single	1	4.0	7.0	Cable with aramid or CSM
XJTSC01754	Single	1	7.1	20.0	Cable with aramid or CSM
XJTSC02193	Single	1	20.1	23.0	Cable with aramid or CSM
XJTSC02186	Dual	2	5.0	9.0	Flexible conduits
XJTSC01755	Quad	4	5.0	7.0	Cables with aramid
XJTSC02767	Quad	4	4.0	6.0	With CSM retention for mini cables
XJTSC02768	Quad	4	5.0	7.0	With CSM retention for mini cables
XJTSC02769	Quad	5	7.0	8.5	With CSM retention for mini cables
XJTSC02260	8-way	8	3.0	3.0	Cables with Aramid
XJTSC01878	8-way	8	2.0	3.0	Flat cables 2.0 x 3.0 mm
XJTSC02608	Single	1	23.0	30.0	Heat shrink port

Pre-configuration tool

The CMJ and MMJ are supplied as a complete joint with a cap, base, clamp, O-seal, fibre routing manifold, tube retainer, tube retainer cover and loop storage basket.

The following parts are preconfigured dependent on the part number selected.

✓ SE or SC Trays ✓ Pressure Test Valve ✓ Pole / Wall Bracket

The joint can also be supplied without glands and they can be ordered separately at a later date.

✓ ✓ Oval Port Entry Kit ✓ Circular Port Entry Kits

Enter three letters for type of joint to be supplied.

CMJ
MMJ

Enter letter for type of Oval Port kit to be supplied.

X = None
H = Heat shrink
A = Mechanical 5-7 mm
B = Mechanical 9-11 mm
D = Mechanical 11-13 mm
E = Mechanical 13-14.8 mm

Letter to indicate if joint is to be supplied with pressure test valve.

X = No bracket
Y = With bracket

Letter to indicate if joint is to be supplied with pole/wall mounting bracket.

X = No bracket
Y = With bracket

CMJ		TRAY		OVAL PORT		PORT 1	PORT 2	PORT 3	PORT 4		VALVE		BRACKET		SPLICE PROTECTORS
CMJ	–	E	–	C	–	C	C	X	X	–	X	–	Y	–	D

Enter three letters for type of splice trays to be supplied.

C = Single circuit
E = Single element 1.3
F = Single element 2.2
H = Crimp splices

Enter four letters for the type of mechanical glands to be supplied. Up to four glands can be supplied with the joint.

X = None
B = Single cable entry 4-7 mm
C = Single cable entry 7-20 mm
D = Single cable entry 20-23 mm
E = 8 way for 2-3 mm flat cable
F = 8 way for 3 mm round cable
G = 2 way for cables 5-9 mm
M = 4 way for cables 5-7 mm
P = 4 way for cables CSM 5-8.5 mm
H = Heat shrink port up to 32 mm

This joint can also be supplied without glands and they can be ordered separately at a later date.

Enter letter or number for the number of packs of splice protectors to be supplied.

X = None
A = 1 pack of 12 (1.3)
B = 2 packs of 12 (1.3)
C = 3 packs of 12 (1.3)
D = 1 pack of 50 (1.3)
E = 2 packs of 50 (1.3)
F = 3 packs of 50 (1.3)
G = 4 packs of 50 (1.3)
H = 5 packs of 50 (1.3)
J = 6 packs of 50 (1.3)
K = 1 pack of 12 (2.2)
L = 2 packs of 12 (2.2)
M = 3 packs of 12 (2.2)
N = 1 pack of 50 (2.2)
P = 2 packs of 50 (2.2)
Q = 3 packs of 50 (2.2)
R = 4 packs of 50 (2.2)
S = 5 packs of 50 (2.2)
T = 6 packs of 50 (2.2)
U = 1 pack of 50 (Crimp)
V = 1 packs of 50 (Crimp)
W = 3 pack of 50 (Crimp)

Additional items

Optical Splitters

Part no. **XSPSG00002** (1x4)
Part no. **XSPSG00003** (1x8)
Part no. **XSPSG00004** (1x16)
Part no. **XSPSG00005** (1x32)

- Use to install into the joint
- 2 metre input and output legs with 900-micron G657A1 fibre

For full technical optical splitter information, refer to Prysmian datasheet AC005, on our website.

1.3 mm Heat Shrink Splice Protectors

Part no. **XKTSC01284** *(Pack of 12)*
Part no. **XPESC00057** *(Pack of 50)*

- 1.3 mm in diameter and 30 mm in length

2.2 mm Heat Shrink Splice Protectors

Part no. **XKTSC00050** *(Pack of 12)*
Part no. **XPESC00053** *(Pack of 50)*

- 2.2 mm in diameter and 45 mm in length

1.3 mm Mechanical Crimp Splice Protectors

Part no. **XKTSC00079** *(Pack of 12)*
Part no. **XKTSC00078** *(Pack of 50)*

- 1.3 mm x 3.2 mm and 30 mm in length
- Use to protect the fibre splice

Wall/Pole Mounting Bracket

Part no. **XJTSC00136**

- Secured using either bolts or screws (provided)

Emergency Port Kit

Part no. **XKTSC00401**

- Use to install an additional cable into one of the two small circular ports of the joint
- Kit comprises a cable heat shrink, aluminum foil and alcohol wipe

Silicone Grease

Part no. **XBFSC00260** *(Pack of 5)*

- A spare tube of grease for use when adding additional cables into the multiple gland at a later date

Support Tool

Part no. **XJTSC00075**

- Allows user to support a joint within a portable workbench

Gland Spanner

Part no. **XJTSC02320**

- Use to loosen and tighten a gland already installed into the joint, in cases where additional cable entry is required

Small Joint Closure (SJC)

Description

A splice closure for use in track or branch applications.

Features

- Closure has four knock-out ports
- Capacity up to 24 splices
- Robust construction enabling direct buried applications
- Underground or wall mount
- Sealed to IP68 (water and dust protection)
- UV resistant to ISO 4892

Applications

- Distribution networks
- FTTH networks

Technical data

Cable ports Round port cable diameter	4 round knock-out ports 5–12 mm
Multi-port (in round port) 2-way	4–6 mm

Overview

The SJC has four cable entry ports, a splice cassette for 24 splices and a cable management and storage area. Although supplied with two entry glands, additional entry glands can be ordered separately.

	SJC	
Diameter	200 x 170 mm	
Length	66 mm	
Number of splice trays	1	1
Max number of splices	24f	24f
	Entry Glands	
Max number of entries	4	4
Number of glands supplied	2	2
Cable diameter per gland	5–9 mm	6–12 mm
Part no.	**XJTSC02470**	**XJTSC02470**

Additional items

Cable Entry Kit

Part no. **XJTSC02336** Cable diameter 5 – 9 mm (single entry)

Part no. **XJTSC02471** Cable diameter 6 – 12 mm (single entry)

Part no. **XJTSC02542** Cable diameter 4 – 6 mm (2-way entry)

- Use to install cables into one of the four round ports of the SJC

Splice Protectors

Part no. **XKTSC00050** (Pack of 12)

- 2.2 mm in diameter and 45 mm in length
- Use to protect the fibre splice

Wall boxes

Products for cable entry into business or residential premises, and distribution to the final customer.

Medium & Large Distribution Wall Box (MDWB & LDWB)

Description

Wall mounted splice boxes used for the distribution of fibres to customer drop cables.

Features

- Internal and external versions available
- Splice trays hinge upwards individually, allowing access to fibres without disturbance to fibres in adjacent trays
- Suitable for loop and riser applications – cables can enter/exit from top or bottom face
- Sealed to IP55
- Moulded from UV stable and UL94-V0-rated material

Applications

- Offices and high-rise buildings
- FTTH and data networks

Overview

Each unit can accommodate input cables of both butt and inline types. Drop cable ports are provided on both top and bottom faces of the box, while top and bottom manifolds provide easy routing of fibres within the unit.

Supplied with either single element splice trays or single circuit splice trays, and in white or dark grey, these wall boxes are suitable for internal or external use thanks to an IP55 rating.

Several additional kit options allow each box to be used for various applications, including loop storage and riser solutions. A splitter can be placed on each 2.2 mm splice tray.

Technical data

Number of input cable ports Number of output ports LDWB Number of output ports MDWB Max input cable diameter	1 (also for in-line pass through) 48x 3-6 mm and 8x 6-12 mm cables 32x 3-6 mm and 4x 6-12 mm cables 12 mm (M20 cable gland)
Number of splice trays LDWB	20 SE trays = 240 fibres 40 SC trays = 160 fibres on 4f per tray
Number of splice trays MDWB	14 SE trays = 168 fibres 28 SC trays = 112 fibres on 4f per tray

Part numbers

LDWB				
Box size	320 x 410 x 115 mm (W x H x D)			
			White colour box	Dark grey box
Tray type (20 x)	Splice protector	Max capacity	Part no.	Part no.
Single element 12f	1.3 mm x 30 mm	240f	**XCPSC01917**	**XCPSC01918**
Single circuit 2x 4f	1.3 mm x 30 mm	160f	**XCPSC02029**	**XCPSC02030**

MDWB				
Box size	250 x 280 x 100 mm (W x H x D)			
			White colour box	Dark grey box
Tray type (14x)	Splice protector	Max capacity	Part no.	Part no.
Single element 12f	1.3 mm x 30 mm	168f	**XCPSC01921**	**XCPSC01922**
Single element 12f	2.2 mm x 45 mm	168f	**XCPSC03104**	**XCPSC03106**
Single element 12f	Crimp	168f	**XCPSC03105**	**XCPSC03107**
Single circuit 2x 4f	1.3 mm x 30 mm	112f	**XCPSC02023**	**XCPSC02024**

Additional items

Drop Cable Kit (3-6mm) – 6 Port

Part no. **XKTSC00384** *(External box – black grommets)*
Part no. **XKTSC01110** *(Internal box – white grommets)*

- Consists of six cable ties and six rubber grommets
- Use to install additional drop cables into six of the 24 drop ports (for cables of 3-6 mm in diameter) on the bottom or top face of the box

Cable Entry Kit (6-12 mm) – 2 Port

Part no. **XKTSC00385** *(External box – black gland)*
Part no. **XKTSC01111** *(Internal box – white gland)*

- Consists of two cable glands and cable ties
- Use to install additional drop cables into two of the four ports (for cables of 6-12 mm in diameter) on the bottom or top face of the box

Splice Protectors

Part no. **XPESC00057** 1.3 mm x 30 mm *(pack of 50)*
Part no. **XPESC00053** 2.2 mm x 45 mm *(pack of 50)*
Part no. **XKTSC00078** crimp *(pack of 50)*

- Use to protect the 1.3 mm mechanical crimp

Loop Entry Kit (LDWB only)

Part no. **XKTSC00382**

- Use to store a continuous fibre loop inside box
- Kit includes loop storage unit and all requirements to fix it and seal the cable port

Riser Cable Kit (LDWB only)

Part no. **XKTSC00386**

- Use to install an in-line (pass through) cable into box
- Kit contains the necessary components to install and anchor the cable into the wall box

Input Cable Locking Kit (LDWB only)

Part no. **XKTSC00383**

- Use to install up to two input cables into box
- Kit also contains the components required for blown fibre cable entries
- A locking mandrel is provided to lock the fibres (to prevent movement)
- A gas block connector and a 3-6 reducer are supplied to anchor a blown fibre tube

Small Distribution Wall Box (SDWB)

Description

A wall-mounted splice box used for the distribution of fibres to customer drop cables.

Features

- Internal and external versions available
- Splice trays hinge upwards individually, allowing access to fibres without disturbance to fibres in adjacent trays
- A unique figure-of-eight locking system is integrated into box
- Box is sealed to IP55
- Moulded from UV stable and UL94-V0 rated material

Applications

- Business and residential environments
- FTTH and data networks

Overview

Each customer has an individual splice tray that can house up to four splices. A built-in figure-of-eight fibre routing system prevents fibre movement when aerial input cables are subjected to ice and wind loading.

The unit is supplied with a gas/water block for the input cable and is offered in a choice of white or dark grey colour. Customer drop cables of 3 to 6 mm can be distributed from the box.



Technical data

Number of cable ports	1 input, 6 output
Max cable diameter	18 mm input, 3-6 mm output
Max number of splice trays	6 customer trays (24 fibre) 1 single element tray (for storage)

Part numbers

SDWB				
Box size	220 x 150 x 50 mm (W x H x D)			
			White colour box	Dark grey box
Tray type (3x)	Splice protector	Max capacity	Part no.	Part no.
Single circuit 2x 4f	1.3 mm x 30 mm	24f	**XCPSC01915**	**XCPSC01916**

Additional items

Heat Shrink Splice Protectors

Part no. **XPESC00057** 1.3 mm x 30 mm (pack of 50)

- Use to protect the fibre splice

Medium termination wall box (MTWB 16SC)

Description

A wall-mounted box used for the termination of fibres to customer drop cables.

Features

- Internal and external versions available
- Splice trays hinge upwards individually, allowing access to fibres without disturbance to fibres in adjacent trays
- Facility to mount two splitters below trays
- Box is sealed to IP55
- Moulded from UV stable and UL94-V0 rated material

Applications

- Offices and residential buildings
- FTTH and data networks

Overview

- The unit has a capacity of up to 96 fibre splices and can accommodate input cables of both butt and in-line types
- Splice protectors of 1.3 mm to 2.2 mm in diameter can be accommodated; also compatible with crimp splice protectors
- Up to 16 SC type pigtails and adapters, or 32 LC type pigtails can be accommodated
- Up to 16 pre-terminated drop cables of 3-6 mm in diameter and 2 customer drop cables of 6-12 mm in diameter, can be distributed from the box
- Drop cable grommets are used to seal the ports and are supplied with the box *(also available as spares)*
- Box can be supplied in white or dark grey
- Has an IP55 rating, making it suitable for internal or external use

Technical data

Number of input cable ports Max input cable diameter	3 (also for in-line pass through) 12 mm (M20 cable gland) 20 for internal pass through
Number of splice trays	4 single element 24f trays = 96 fibres Trays also accommodate splitters
Number of adapters	16 SC type or 32 LC type
Number of output cable ports	16 for 3-6 mm cables 2 for 6-12 mm cables
Max output cable diameter	3-6 mm (16 ports), 6-12 mm (2 ports)

Part numbers

MTWB 16				
Box size	250 x 280 x 100 mm (W x H x D)			
			White colour box	Dark grey box
Adapters	Pigtails	Drop ports	Part no.	Part no.
None	None	16	**XCPSC03092**	**XCPSC03097**
8x SC/APC	8x SC/APC	16	**XCPSC03093**	**XCPSC03098**
16x SC/APC	16x SC/APC	16	**XCPSC03094**	**XCPSC03099**
8x LC/APC DX	16x LC/APC	16	**XCPSC03095**	**XCPSC03100**
16x LC/APC DX	32x LC/APC	16	**XCPSC03096**	**XCPSC03101**

Additional items

Drop Cable Kit (3-6mm) – 8 Port

Part no. **XCPSC03102** *(Pack of 8)*

- Consists of eight cable ties and eight split rubber grommets
- Use to install additional drop cables into eight of the 16 drop ports (for cables of 3-6 mm in diameter) on the bottom face of the box

Cable Entry Kit (6-12 mm) – 2 Port

Part no. **XKTSC00385** *(External box – black gland)*
Part no. **XKTSC01111** *(Internal box – white gland)*

- Consists of two cable glands and cable ties
- Use to install additional drop cables into two of the four ports *(for cables of 6-12 mm in diameter)* on the bottom or top face of the box

Splice Protectors

Part no. **XPESC00057** 1.3 mm x 30 mm *(pack of 50)*
Part no. **XKTSC00050** 2.2 mm x 45 mm *(pack of 12)*
Part no. **XPESC00053** 2.2 mm x 45 mm *(pack of 50)*
Part no. **XKTSC00079** 1.3 x 3.2 mm x 30 mm long mechanical crimp *(pack of 12)*
Part no. **XKTSC00078** 1.3 x 3.2 mm x 30 mm long mechanical crimp *(pack of 50)*

- Use to protect the fibre splice

Small Termination Wall Box (STWB 8SC)

Description

A riser box designed for use within apartment blocks and mid/high-rise office blocks.

Features

- Internal use only
- Up to 8 pre-connectorised drop cables using SC type connectors
- Splice trays hinge upwards individually, allowing access to fibres without disturbance to fibres in adjacent trays
- Facility to mount splitters
- Moulded from UL94-V0 rated material

Applications

- Offices and residential buildings
- FTTH and data networks

Technical data

Max number of splice trays	3
Fibre splice capacity	36
Max diameter of in-line cable	15 mm
Connectorised drops (SC)	8
Max number of drop cables	24
Max diameter of drop cables	5 mm

Overview

- The unit houses three splice trays and up to eight SC-type adapters
- Each splice tray is able to accommodate 12 fibre splices, while an in-line cable entry port enables the box to be installed onto an in-line riser cable
- Drop ports are available for up to 24 drop cables of up to 5 mm in diameter

Supplied with:

- ✓ Base and cover
- ✓ Up to 3 splice trays
- ✓ Up to 8 SC adapters and 8 SC pigtails
- ✓ Cable ties for fixing the in-line cable
- ✓ Wall fixings

NOTE: Splice protectors and cable ties to secure the drop cables are not supplied, and must be ordered separately.

Part numbers

STWB 8SC				
Box size	210 x 130 x 60 mm (H x W x D)			
Adapters	Pigtails	Trays	Trays	Part no.
8x SC/APC	None	1	1	**XCPSC03167**
8x SC/APC	None	3	3	**XCPSC03168**
8x SC/APC	8x SC/APC	1	1	**XCPSC03169**
8x SC/APC	8x SC/APC	3	3	**XCPSC03170**

Additional items

Cable Ties

Part no. **XKTSC00370** *(Pack of 100)*

- Use for securing drop cables into box
- 100 mm in length and 2.5 mm wide

2.4mm Heat Shrink Splice Protectors

Part no. **XPESC00056** *(pack of 12)*

Part no. **XPESC00031** *(pack of 50)*

- Use to protect the fibre splice
- 2.4 mm in diameter and 45 mm in length

Wall Support

Part no. **XCPSC02088**

- An optional kit to mount the STWB to a wall
- Enables fixing of the PBI onto a plate, allowing cables to pass underneath
- Kit contains all the necessary fixings to mount the STWB

Modular Distribution Box (MDB-M24 and MDB-M48)

Description

An indoor wall box, particularly adapted for FTTH building multidwelling unit (MDU) cabling.

Features

- A central area to organise the fibres, protected with a front door
- Allows splicing, patching, splitting or storage of optical fibres
- Suitable to mount optical splitters
- Sealed to IP41

Applications

- Offices and high-rise buildings
- FTTH and data networks

Technical data

	MDB-M24	MDB-M48
Number of cable entries	2	4
Max cable diameter	15 mm	15 mm
Number of splice trays	1	4
Splice capacity	24	
Capacity on the patch panel (positions for SC-type adapters)	24	4848
Max splitter holder capacity (compact PLC splitter)	6	12

Overview

- The MDB allows a connection – through patch panels or directly by splices – between the optical fibres feeding the MDU, and the optical fibres from the cables coming from the building network
- According to the MDU configuration, several modules can be assembled to form a 24 fibre, 48 fibre or even higher fibre MDB

Supplied with:

- ✓ Two fixing kits (wall and wall support)
- ✓ Triangular key
- ✓ SSC/APC-SC/APC adaptors (part number dependent)
- ✓ Two cable entry kits (M24); three (M48)

MDB-M24

- Has all accessories required for the following configurations:
- Patch Module: no accessories have to be mounted for this option
- Splice Module: by mounting the splitter main plate in the module and the splice main plate inside the central cover
- Splitter Module: by mounting the splitter main plate in the module and the splice main plate inside the central cover

MDB-M48

An additional kit in required for converting the box to a splitter module.

NOTE: The splitters are not supplied within the kits.

Part numbers

MDB-M24					
Box size	450 x 100 x 150 mm (W x H x D)				
	Adapters	Pigtails	Splitters	Splices	Part no.
Splice/patch	24x SC/APC	none	none	24x	**XCPSC02122**
Storage	none	none	none	-	**XCPSC02121**
MDB-M48					
Box size	450 x 180 x 150mm (W x H x D)				
	Adapters	Pigtails	Splitters	Splices	Part no.
Splice/patch	48x SC/APC	48x SC/APC	none	48x	**XCPSC02124**
Patch	48x SC/APC	none	none	-	**XCPSC02123**

Additional items

Splitter Configuration Kit (for MDB-M48)

Part no. **XCPSC02047**

- In addition to part number XCPSC02123 (MDB-M48 patch with 48 SC/APCSC/APC adaptors; see previous table) this kit allows customers to configure the module as a Splitter Module with pre-terminated splitters
- The kit contains a splitter main plate to mount in the module, and a splice main plate to mount inside the central cover
- Splitters are not supplied within the kit

MDB Wall Support

Part no. **XCPSC02126**

- A metallic frame used to fix the MDB modules on a wall
- It creates a plane surface and guaranties alignment for the modules MDB-24 and/or MDB-M48
- The support is formed by two vertical rails with cross members and uses diamond shaped nuts (supplied within each MDB module) to fix the module
- Supplied with a fixing kit (four 5 x 60 mm wood screws and four 8 x 50mm wall plugs) and a spirit level
- Dimensions: 800 x 330 x 21 mm
- Net weight: 2.8 Kg

2.2 mm Heat Shrink Splice Protectors

Part no. **XPESC00053** *(pack of 50)*

Part no. **XKTSC00050** *(pack of 12)*

- Heat shrink splice protectors are used to protect a splice between two fibres
- 2.2 mm in diameter and 45 mm length

PLC Splitter Pre-Terminated SC/APC

Part no. **XSPSC00359** PLC splitter 1x4

Part no. **XSPSC00360** PLC splitter 1x8

- 0.70 metres legs over-sleeved with a 900-micron buffer, pre-terminated with SC/APC connectors
- The input fibre is 1.5 metre sleeved with a 900-microns buffer and is not pre-terminated

For more details please don't hesitate to contact your local Prysmian Group sales office and ask for the Compact PLC Splitter datasheet AC029

SC/APC Adapters

Part no. **XPPSC02037**

- A green simplex SC/APC adapter, with small flanges, a zirconia sleeve and metallic fixing clips
- Equipped with transparent protection caps to enable control over optical continuity without removing the caps

SC/APC Pigtails 900 µm

Part no. **XPPSC02033** *(pack of 12)*

- The 900-micron pigtail has a 2.5 metre length with LSZH buffer and is pre-terminated with SC/APC connectors
- The fibre used is G657A2

Small & Medium OneBox

Description

A termination wall box designed for use in residential and small business premises.

Features

- For internal and external use
- Up to 8/4 Pre-connectorised drop cables using SC type connectors
- Facility to mount splitters
- Moulded from UV stabilised and UL94-V0 rated material
- Sealed to IP55

Applications

- Offices and residential buildings
- FTTH and data networks

Overview

- Each unit houses two splice trays and allows fibres from external cables to be spliced to pigtails, splitters or directly to drop cables
- The medium unit can accommodate up to two splitters, the small, one
- The medium has a dedicated patch panel for up to 12 SC type pigtails or 24 LC type pigtails, the small 4 SC or 8 LC
- Input cables can enter from the top or bottom face of the box; output cables exit from the bottom
- There are eight exit ports in the medium offering – four in the small – for customer drop cables, which can be installed into the box without the use of cable ties, using a cable anchoring system
- Customer drop cables can be pre-connectorised

Technical data

OneBox	Medium	Small
Number of Splice Trays:	2	
Fibre Splice Capacity:	24 Crimp Splices or	
	48 Heath Shrink Splices stacked	
No. of Input Cables:	1 top and 2 bottom	1 top and 1 bottom
Input Cable Diameter:	2 to 7mm	
No. of Output Cables:	8 (x2)	4 (x2)
Output Cable Diameter:	2 to 7mm	
No. of Splitters:	2	1
No. of Pigtails and Adapters:	12 SC or 24 LC	4 SC or 8 LC

Part numbers

Small OneBox				
Box size	200 x 215 x 52 mm (W x H x D)			
Adapters	Pigtails	Splice Protectors	Splice Protectors	Part no.
None	None	None	None	**XCPSC02379**

Medium OneBox				
Box size	240 x 250 x 55 mm (W x H x D)			
Adapters	Pigtails	Splice Protectors	Splice Protectors	Part no.
None	None	None	None	**XCPSC02380**

Additional items

Cable Entry Kits

Part no. **XCPSC02392** *(for cables 2-5 mm in diameter)*

Part no. **XCPSC02393** *(for cables 6-7 mm in diameter)*

- Contains a number of rubber seals for sealing cables into ports of the box, and a number of cable clips to grip the cable and aramid yarns
- These parts will have been previously supplied with box, but these kits can be used where spare parts are required, or where additional cables of a certain diameter are required to be installed into box
- Each kit contains 4 cable seals and 4 cable clips

Heat Shrink Splice Protectors

Part no. **XPESC00056** *(pack of 12)*

Part no. **XPESC00031** *(pack of 50)*

- Use to protect the fibre splice
- 2.4 mm in diameter and 4 5mm in length

SC/APC Adapters

Part no. **XPPSC02037**

- A green simplex SC/APC adapter, with small flanges, a zirconia sleeve and metallic fixing clips
- Equipped with transparent protection caps to enable control over optical continuity without removing the caps

1.3 mm Mechanical Crimp Splice Protectors

Part no. **XKTSC00079** *(pack of 12)*

Part no. **XKTSC00078** *(pack of 50)*

- Use to protect the fibre splice
- 1.3 mm wide x 3.2 mm high x 30 mm long

Pre-connectorised Splitters

Part no. **XSPSG00027** *(1x4 LC/APC)*

Part no. **XSPSC00028** *(1x8 LC/APC)*

- Can be installed into box and connected to the patch panel

For full splitter technical information, refer to Prysmian datasheet AC005 on our website

SC/APC Pigtails 900 µm

Part no. **XPPSC02033** *(pack of 12)*

- The 900-micron pigtail has a 2.5 metre length with LSZH buffer and is pre-terminated with SC/APC connectors
- The fibre used is G657A2

Customer termination boxes

Products for cable entry into business or residential premises and distribution to the final customer.

Ultra-Compact Termination Box MK2 (UCTB MK2)

Description

Designed for use in residential and business applications for the termination of up to two fibres.

Features

- Compact and attractive design for internal use
- Ability to enter cables from rear, bottom or top of unit
- Can be supplied empty with just adapters, or with adapters and pre-installed G657A fibre pigtails
- Patchcords exit unit on bottom face via shuttered SC adapters

Applications

- Residential and business dwellings
- FTTH and data networks

Overview

- This wall box enables installation of a small cable to be spliced to up to two SC pigtails (PC or APC), which connect to shuttered adapters at the base of the unit
- The unit can be quickly installed within an office, house or communication room environment

Supplied with:

- Wall fixings
- Security screw
- Label cover
- Cable ties

Pigtails and adapters can be pre-installed or purchased separately for later expansion if single fibre option purchased.

Technical data

Max capacity	2 fibres
Max number of customer feeds	2 patchcords
Number of input cable positions	3 sides
Max input cable diameter	6 mm
Required space envelope	100 x 80 x 24 mm (LxWxD)

Part numbers

UCTB MK2 Supplied with	Part no.	Part no.
Connector type	SC/UPC	SC/APC
1 adapter, no pigtail	XCPSC01036	XCPSC01041
2 adapter, no pigtail	XCPSC01037	XCPSC01042
1 pigtail and adapter	XCPSC00607	XCPSC00608
2 pigtails and adapters	XCPSC00609	XCPSC00610

Additional items

2.4 mm Heat Shrink Splice Protector

Part no. **XPESC00056** *(pack of 12)*

Part no. **XPESC00031** *(pack of 50)*

- 2.4 mm in diameter and 45 mm in length

1.3 mm Mechanical Crimp Splice Protector

Part no. **XKTSC00079** *(pack of 12)*
Part no. **XKTSC00078** *(pack of 50)*

- 1.3 mm x 3.2 mm in diameter and 30 mm in length
- Use to protect the fibre splice

Mechanical Splices

Part no. **XKTSC00121** *(pack of 50)*

- Use to splice fibres together without the need of a fusion splicing machine
- 4 mm wide x 4 mm tall and 40 mm in length
- An assembly tool and splice holder are required for installation

Please see Prysmian datasheet AC007 on our website for further information on mechanical splices.

Security Screwdriver

Part no. **XCPSC00669**

- Use for installation/re-entering of the box

Crimp Splice Protector Holders

Part no. **XCPSC01550** *(pack of 50)*

- Insert into box so that crimp splices can be accommodated
- One holder required per splice

Pigtails/Adapters

Part no. **XPPSC00335** *(Pack of 10)*
Shuttered adapter – simplex SC/UPC

Part no. **XPPSC00336** *(Pack of 10)*
Shuttered adapter – simplex SC/APC

Part no. **XPPSC00341** *(Pack of 10)*
Pigtail – green – G657A1 fibre SC/UPC

Part no. **XPPSC00342** *(Pack of 10)*
Pigtail – green – G657A1 fibre SC/APC

Compact Termination Box MK2 (CTB MK2)

Description

For use in residential and business applications for the termination of up to four optical fibres.

Features

- Compact and attractive design for interior wall mounting
- Cables can enter unit from rear, bottom, top, right or left-hand side
- Supplied with a bracket for wall mounting or mounting directly onto a DIN rail
- Patchcords exit unit on bottom face via shuttered SC adapters

Applications

- Residential and business dwellings
- FTTH and data networks

Overview

- This wall box enables the termination of a customer drop cable onto SC/UPC or SC/APC type pigtails and adapters
- It can also be used as a splice point between two cables
- The unit can be supplied with pigtails and adapters pre-installed, and can also be supplied on a reel with a length of cable pre-installed
- Pigtails supplied are G657A1 fibre (others available on request) and adapters are fitted with a protection shutter

Supplied with:

- Wall fixings
- Cable ties
- Security screw
- Label cover

Technical data

Max capacity	4 fibres
Max number of customer feeds	4 patchcords
Number of input cable positions	2 bottom, 1 rear, 1 top, 1 left, 1 right
Max input cable diameter	6 mm
Required space envelope	83 x 100 x 27 mm (LxWxD)

Part numbers

Description	Part no.	
Empty	**XCPSC01135**	
Connector type	SC/UPC	SC/APC
1 pigtail, 1 adapter	**XCPSC01127**	**XCPSC01128**
2 pigtails, 2 adapters	**XCPSC01129**	**XCPSC01130**
3 pigtails, 3 adapters	**XCPSC01131**	**XCPSC01132**
4 pigtails, 4 adapters	**XCPSC01133**	**XCPSC01134**

Additional items

Pigtails and Adapters

Description	Part No.	Part No.	
Connector type	SC/UPC	SC/APC	
Shuttered adapter, simplex	**XPPSC00335**	**XPPSC00336**	Pack of 10
Pigtail green, G657A1 fibre	**XPPSC00341**	**XPPSC00342**	Pack of 10

2.2 mm Heat Shrink Splice Protector

Part no. **XKTSC00050** *(pack of 12)*
Part no. **XPESC00053** *(pack of 50)*

- 2.2 mm in diameter and 45 mm in length

1.3 mm Mechanical Crimp Splice Protector

Part no. **XKTSC00079** *(pack of 12)*
Part no. **XKTSC00078** *(pack of 50)*

- 1.3 mm x 3.2 mm in diameter and 30 mm in length
- Use to protect the fibre splice

Crimp Splice Protector Holders

Part no. **XCPSC01550** *(pack of 50)*

- Insert into box so that crimp splices can be accommodated
- One holder required per splice

Mechanical Splices

Part no. **XKTSC00121** *(pack of 50)*

- Use to splice fibres together without the need of a fusion splicing machine
- 4 mm wide x 4 mm tall and 40 mm in length
- An assembly tool and splice holder are required for installation

Please see Prysmian datasheet AC007 on our website for further information on mechanical splices

Security Screwdriver

Part no. **XCPSC00669**

- Use for installation/re-entering of the box

Compact Termination Box MK3 (CBT MK3)

Description

For use in residential and business applications for the termination of up to four optical fibres.

Features

- Compact and attractive design for interior wall mounting
- Cables can enter unit from rear, bottom, top, right or left-hand side
- Use of inner-shuttered adapters
- Accept a field mounted connector

Applications

- Residential and business dwellings
- FTTH and data networks

Overview

- This wall box enables the termination of a customer drop cable onto SC/APC type pigtails and adapters
- The unit is supplied with a fixing bracket for mounting directly onto a wall or onto a DIN rail
- The unit can be supplied with pigtails and adapters pre-installed, or on a reel with a length of cable pre-installed
- Pigtails supplied are G.657.A2 fibre (others available on request) and adapters are fitted with a protection shutter

Supplied with:

- ✓ Wall fixing bracket
- ✓ Pigtails (see part no.)
- ✓ Adapters (see part no.)

Technical data

Max capacity	4 fibre splices
Max number of customer feeds	4 patchcords SCAPC
Max input cable diameter	5 mm
Required space envelope	80 x 80 x 28 mm (LxWxD)

Part numbers

CTB MK3		
Adapters	Pigtails	Part no.
4x SC/APC	4x SC/APC	**XCPSC02857**
2x SC/APC	2x SC/APC	**XCPSC02858**
1x SC/APC	1x SC/APC	**XCPSC02859**

Additional items

2.2 mm Heat Shrink Splice Protector

Part no. **XKTSC00050** *(pack of 12)*
Part no. **XPESC00053** *(pack of 50)*

- 2.2 mm in diameter and 45 mm in length
- Use to protect the fibre splice

SC/APC Inner-Shuttered Adapters

Part no. **XPPSG02725**

- A simplex SC/APC type
- Zirconium sleeve, flangeless, without metallic clip
- One end is equipped with an inner-shutter

SC/APC Pigtails 900 µm

Part no. **XPPSC02033** *(pack of 12)*

- The 900-micron pigtail has a 2.5 metre length with LSZH buffer and is pre-terminated with SC/APC connectors
- The fibre used is G657A2

Internal/External Compact Termination Wall Box (ECT)

Description

For use in residential, small and large business premises.

Features

- Can be mounted internally or externally
- External cables enter unit from the bottom
- Drop cables can also be routed through the wall
- Sealed to IP55
- Made of UV stabilised fire resistant UL94-V0 material

Applications

- Residential and business dwellings
- FTTH and data networks

Overview

- The unit houses a single splice tray and allows fibres from external cables to be spliced to pigtails for connection to customer drop patch cords
- The external cable enters from the bottom of unit, with the customer drop cables (patch cords) exiting from the bottom of the unit or directly through the back of the box and through the wall

Supplied with:

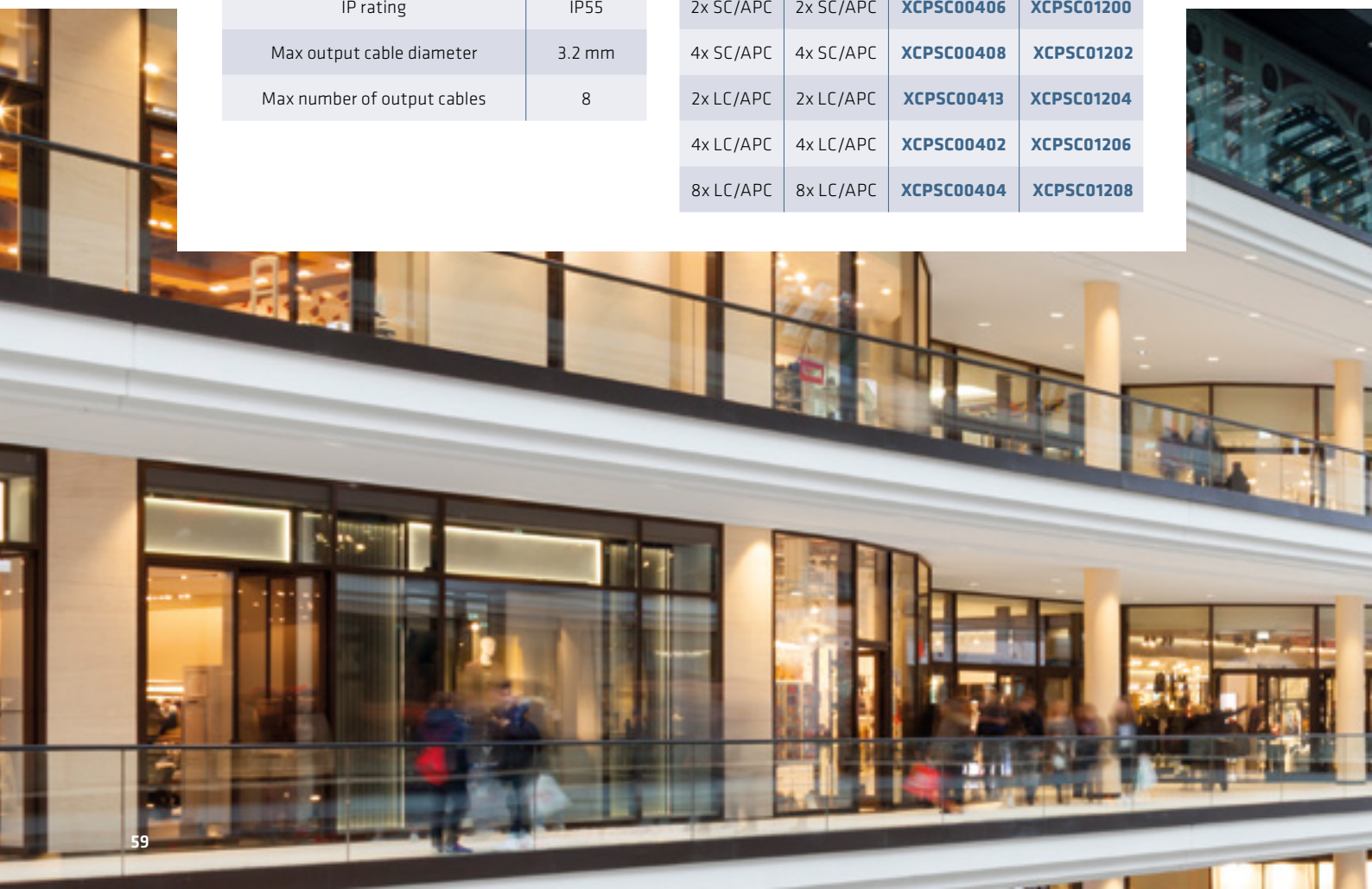
- Wall fixing bracket
- Pigtails (see part no.)
- Adapters (see part no.)

Technical data

Number of splice trays	1
Max fibre capacity	8
Max input cable diameter	11 mm
Max number of input cables	1
IP rating	IP55
Max output cable diameter	3.2 mm
Max number of output cables	8

Part numbers

ECT Wall Box			
		Part no.	Part no.
Adapter	Pigtail	Keyed lock	Plastic lock
1x SC/APC	1x SC/APC	**XCPSC00415**	**XCPSC01198**
2x SC/APC	2x SC/APC	**XCPSC00406**	**XCPSC01200**
4x SC/APC	4x SC/APC	**XCPSC00408**	**XCPSC01202**
2x LC/APC	2x LC/APC	**XCPSC00413**	**XCPSC01204**
4x LC/APC	4x LC/APC	**XCPSC00402**	**XCPSC01206**
8x LC/APC	8x LC/APC	**XCPSC00404**	**XCPSC01208**



Additional items

Heat Shrink Splice Protectors

Part no. **XPESC00056** *(pack of 12)*
Part no. **XPESC00031** *(pack of 50)*

- 2.4 mm in diameter and 45 mm in length
- Use to protect the fibre slice

1.3mm Mechanical Crimp Splice Protectors

Part no. **XKTSC00079** *(pack of 12)*
Part no. **XKTSC00078** *(pack of 50)*

- 1.3 mm x 3.2 mm in diameter and 30 mm in length

Mechanical Splices

Part no. **XKTSC00121** *(pack of 50)*

- Use to splice fibres together without the need of a fusion splicing machine
- 4 mm wide x 4 mm tall and 40 mm in length
- An assembly tool and splice holder are required for installation

Please see Prysmian datasheet AC007 for further information on mechanical splices.

Pre-connectorised products

Indoor solutions

- Adapters
- Pigtails
- Patchcords
- Splitters and splitter modules
- Pre-connectorised Comapact Termination Boxes (CTBs)
- Pre-connectorised breakout

Optical Adapters

Description

An extensive range of optical adapters available for many different connector types, including FC, SC, ST, E2000, LC, and DIN. Others are available on request.

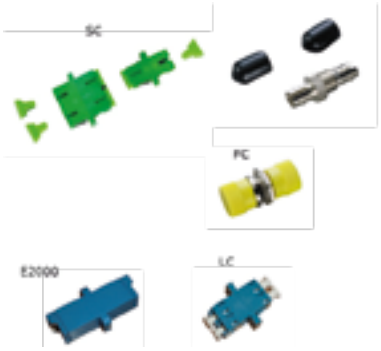
All adapters are supplied with ceramic sleeves and are available in SM, MM, simplex, duplex and quad.

Features

- Qualified to Telcordia GR326 and IEC 61300 standards
- RoHS-compliant materials
- Both simplex, duplex and quad adapters available
- Pre-installation of adapters into Prysmian Group connectivity equipment is possible

Applications

- FTTH networks
- CATV
- Datacom networks



Technical data

Singlemode (1310/1550 nm)	
Intermateability	IEC 874-14-40oC
Operating temperature	to + 85oC
Multimode (850 nm)	
Intermateability	IEC 874-14
Operating temperature	-40oC to + 85oC

Part numbers

Connector type	Description	Sleeve type	Part no.
FCPC/FCPC	Simplex "D" Style	Zirconia	**XPPSG00183**
FCAPC/FCAPC	Simplex "D" Style	Zirconia	**XPPSG00184**
SCPC/SCPC	Simplex (Blue) with Flange	Zirconia	**XPPSG00185**
SCPC/SCPC	Duplex (Blue) with Flange	Zirconia	**XPPSG00192**
SCAPC/SCAPC	Simplex (Green) with Flange	Zirconia	**XPPSG00186**
SCAPC/SCAPC	Duplex (Green) with Flange	Zirconia	**XPPSG00193**
SCPC/SCPC Multimode	Simplex (Beige) with Flange	Zirconia	**XPPSG00263**
SCPC/SCPC Multimode	Duplex (beige) with flange	Zirconia	**XPPSG00299**
STPC/STPC	Simplex Metal	Zirconia	**XPPSG00187**
LCPC/LCPC	Simplex (Blue)	Zirconia	**XPPSG00188**
LCPC/LCPC	Duplex (Blue)	Zirconia	**XPPSG00194**
LCPC/LCPC	Quad (blue)	Zirconia	**XPPSG00377**
LCAPC/LCAPC	Simplex (Green)	Zirconia	**XPPSG00189**
LCAPC/LCAPC	Duplex (Green)	Zirconia	**XPPSG00195**
LCAPC/LCAPC	Quad (Green)	Zirconia	**XPPSG00378**
E2000PC/E2000PC	Simplex (Blue)	Zirconia	**XPPSG00190**
E2000APC/E2000APC	Simplex (Green)	Zirconia	**XPPSG00191**

For full optical adapter technical information, refer to Prysmian datasheet AC002 on our website.

Shuttered Adapter (SC/APC/UPC)

Description

The SC/APC or UPC Shuttered Adapter contains a spring-loaded door, which closes automatically when the connector is not installed. This safety feature prevents potentially harmful exposure to the eye (to dust for example) when the connector is not installed or is disengaged.

All adapters are supplied with ceramic sleeves.

Features

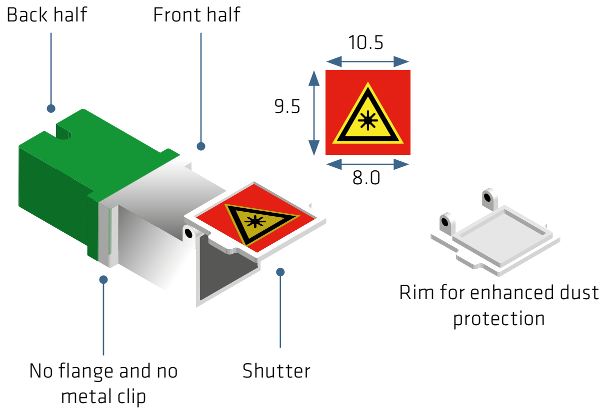
- Qualified to Telcordia GR326 and IEC 61300 standards
- RoHS-compliant materials
- Both simplex and duplex adapters are available
- Available in SC/UPC and SC/APC configurations
- Pre-installation of adaptors into Prysmian Group connectivity equipment is possible

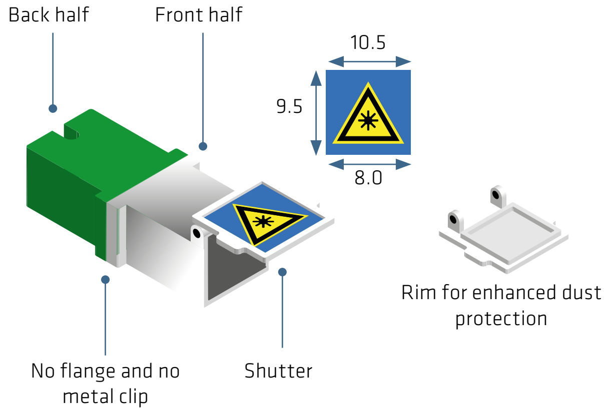
Applications

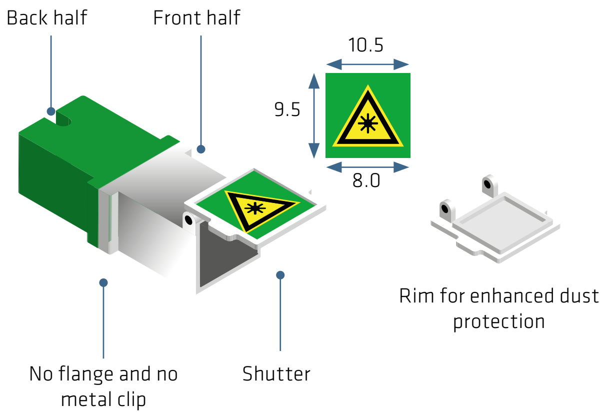
- FTTH networks
- CATV
- Datacom networks

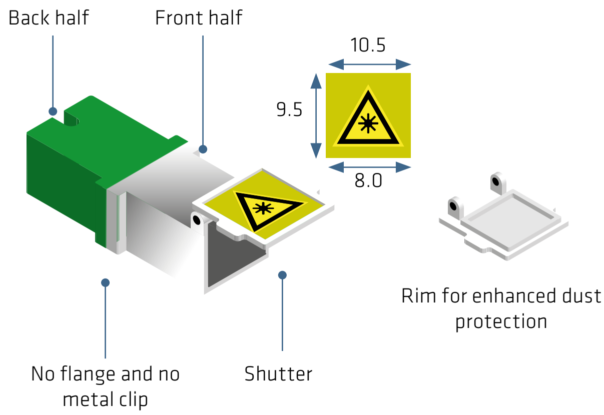
Technical data

Singlemode (1310/1550 nm)	
Intermateability	IEC 874-14
Operating temperature	-40oC to + 85o
Dimensions	28.2 (l) x 12.9 (w) x 9.5 (h) – 15.6 (w) at flange
12.2 (h) at shutter	
Spring clip	None
Colour back half	Blue (PC), Green (APC)
Colour front half	White RAL 9016









Part numbers

Connector Type	Description	Sleeve type	Part No.
SCAPC/SCAPC	Shutter Adapter SC/APC (White Label)	Zirconia	**XPPSG00347**
SCAPC/SCAPC	Shutter Adapter SC/APC (Red Label)	Zirconia	**XPPSG00470**
SCAPC/SCAPC	Shutter Adapter SC/APC (Blue Label)	Zirconia	**XPPSG00471**
SCAPC/SCAPC	Shutter Adapter SC/APC (Green Label)	Zirconia	**XPPSG00472**
SCAPC/SCAPC	Shutter Adapter SC/APC (Yellow Label)	Zirconia	**XPPSG00473**

For full shuttered adapter technical information, refer to Prysmian datasheet AC019 on our website.

Pigtails

Description

Pre-connectorised fibre cable with a variety of connectors at one end, including FC, SC, ST, E2000, LC, and DIN. Others are available on request.

Our pigtails use cables and fibres manufactured by Prysmian Group, and are available in both single and multimode.

Features

- Full traceability and test certification supplied with each assembly
- Ultra Polish (UPC) supplied as standard and Angle Polish (APC) also available
- Pigtails are un-tuned. Tuned pigtails are available on request
- Qualified to Telcordia GR326 and IEC 61300 standards
- RoHS-compliant materials

Applications

- FTTH networks
- CATV
- Datacom networks

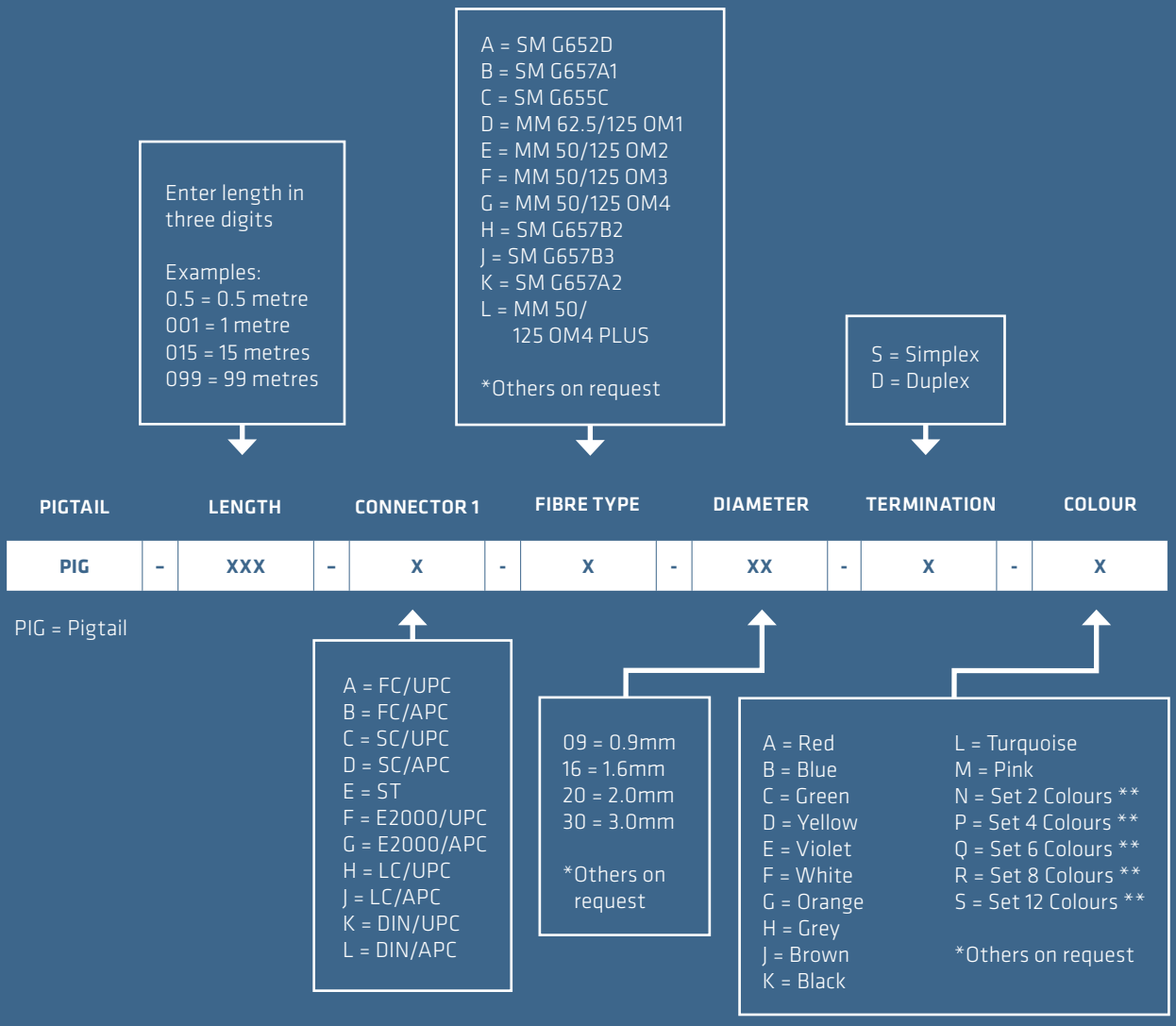
Technical data

Singlemode (1310/1550 nm)	
Max insertion loss (dB)	≤ 0.25Typical 0.15 (UPC and APC) **B GRADE**
Return loss (dB)	≥ 55 (UPC), ≥ 65 (APC)
Intermateability	IEC 874-14
Operating temperature	-40oC to + 85oC
Multimode (850 nm)	
Max insertion loss (dB)	≤ 0.4 (UPC)
Return loss (dB)	Not measured
Intermateability	IEC 874-14
Operating temperature	-40oC to + 85oC

Part numbers

- Pigtail part numbers are constructed using the table below, and each is 18 digits in length
- The part number always starts with the letters PIG to denote that it is a pigtail
- This is followed by a dash and then a three-digit code for pigtail length
- A further dash is then followed by a single letter code
- This represents the pigtail connector type
- Another dash follows, then a single-letter code to denote pigtail fibre type
- The next dash is followed by a two-digit code denoting fibre diameter
- Another dash is then followed by termination type
- The final dash is followed by a single-letter code for the colour and number of pigtails

Note: Pigtails can only be ordered in 0.5 metre increments up to 10 metres. Above 10 metres pigtails must be ordered in 1 metre increments.



Pigtail colour code

- Sets of pigtails are supplied with colours numbered from 1 to 12
- For example, if a set of six pigtails is ordered, the colours supplied are red, blue, green, yellow, violet and white

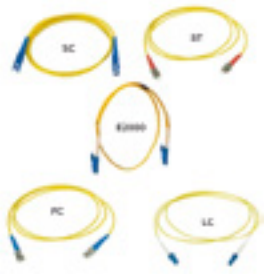
Fibre no.	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Red	Blue	Green	Yellow	Violet	White	Orange	Grey	Brown	Black	Turquoise	Pink

Example of a pigtail part number: **PIG-2.5-D-B-09-S-S**

- The above example describes a pigtail 2.5 metres in length, with SC/APC connector. The fibre type is G657A1 and pigtail diameter is 0.9 mm. Pigtails are simplex and the part refers to a pack of 12 colours

For full pigtail technical information, refer to Prysmian datasheet AC003 on our website.

Patchcords



Description

Pre-connectorised fibre cable with a variety of connectors terminated at both ends, including FC, SC, ST, E2000, LC, and DIN. Others are available on request.

Our pigtails use cables and fibres manufactured by Prysmian Group, and are available in both single and multimode.

Features

- Printing on connector for full traceability and test certification supplied with each assembly
- Qualified to Telcordia GR326 and IEC 61300 standards
- RoHS-compliant materials
- Standard cable diameter is 2 mm and ruggedised ; can also be supplied in 1.6 mm and 3 mm
- Labelling or numbering available on request

Applications

- FTTH networks
- Datacom networks
- Indoor applications
- Optical distribution frames (ODFs)

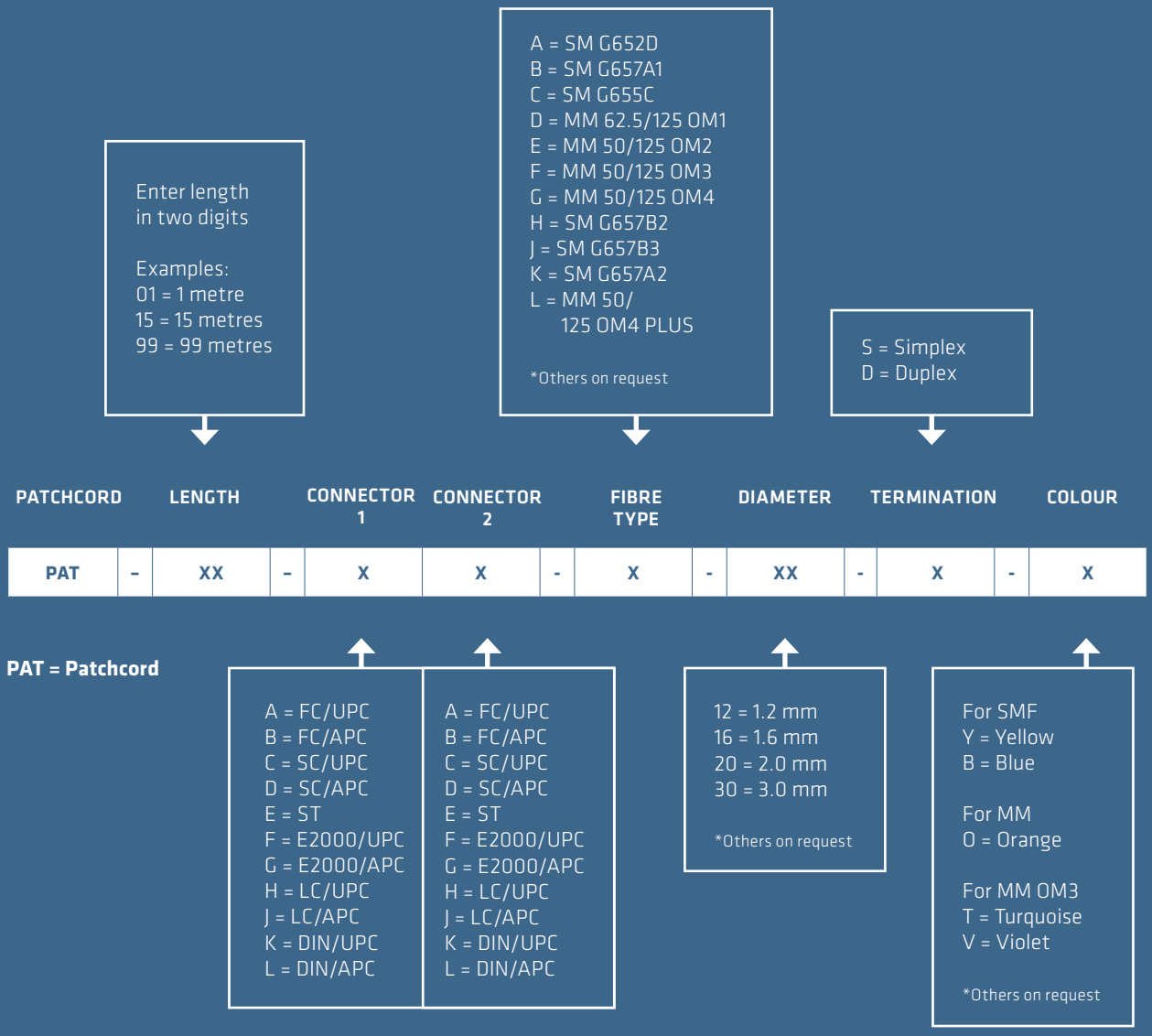
Technical data

Singlemode (1310/1550 nm)	
Max insertion loss (dB)	≤ 0.25Typical 0.15 (UPC and APC) B GRADE
Return loss (dB)	≥ 55 (UPC), ≥ 65 (APC)
Intermateability	IEC 874-14
Operating temperature	-40oC to + 85oC
Multimode (850 nm)	
Max insertion loss (dB)	≤ 0.4 (UPC)
Return loss (dB)	Not measured
Intermateability	IEC 874-14
Operating temperature	-40oC to + 85oC

Part numbers

- Patchcord part numbers are constructed using the table below, and each is 18 digits in length
- The part number always starts with the letters PAT to denote that it is a patchcord
- This is followed by a dash and then a two-digit code for patchcord length
- A further dash is then followed by a two-letter code
- The first letter represents the connector on one end, the second letter represents the connecter at the other end
- Another dash follows, then a single-letter code to denote patchcord fibre type
- The next dash is followed by a two-digit code denoting fibre diameter
- Another dash is then followed by termination type
- The final dash is followed by a single letter code for sheath colour

Note: Patchcords must be ordered in 1 metre increments.



Example of a patchcord part number: **PAT-05-DD-B-20-S-Y**

- The above example describes a patchcord 5 metres in length, with SC/APC connectors on both ends. The fibre type is G657A1 and the patchcord diameter is 2 mm. It is a simplex patchcord with a yellow sheath

For full patchcord technical information, refer to Prysmian datasheet AC004 on our website.

Splitters

Description

Deploying GPON requires a wide range of optical splitters to achieve an economical splitting rate for different types of installation, including bare splitters for splicing in the central office, street cabinets, joints and building entry points.

We offer pre-connectorised splitter modules for in-building and in-home applications that can be supplied with many different connector types, including FC, SC, ST, E2000, and LC. Others are available on request.

Features

- Full traceability and test certification supplied with each assembly
- Designed to meet Telcordia GR1209 and GR1221 standards
- Advanced planar technology
- Low loss and PDL
- Can be pre-installed into connectivity products such as joints, distribution cabinets and wall boxes

Applications

- GPON
- CATV
- LAN, WAN and FTTX networks
- Broadband networks

Technical data

Parameter
I.L. (dB)
Uniformity of I.L. (dB)
PDL
WDL (Wavelength Dependence Loss) Uniformity
R.L. and Direc (dB)
Operating T(*C)
Wavelength Range (nm)
Max. Input Power (mW)
Fibre Type and Length (mt)
Dimensions (WxHxL) (mm) -bare Type-
Dimensions (WxHxL) (mm) -Blockless Type-

	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32	2x64
	≤ 3.8	≤ 7.2	≤ 10.5	≤ 13.6	≤ 16.8	≤ 20.1	≤ 4.3	≤ 7.6	≤ 11.3	≤ 14.0	≤ 17.3	≤ 21.5
	≤ 0.6	≤ 0.6	≤ 0.8	≤ 1.2	≤ 1.5	≤ 2.0	≤ 0.8	≤ 0.8	≤ 1.4	≤ 2.0	≤ 2.3	≤ 2.5
	≤ 0.2	≤ 0.2	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.4	≤ 0.2	≤ 0.2	≤ 0.3	≤ 0.4	≤ 0.4	≤ 0.4
	≤ Uniformity + 0.1dB											
	≥ 55											
	-40 to +85											
	1260 to 1650											
	500											
	657A Input<=2 mt Outputs <=2 mt											
	4x4x40	4x4x40	4x4x40	4x4x40	7x4x55	12x4x60	4x4x50	4x4x50	4x4x55	7x4x60	7x4x65	12x4x65
	7x4x60	7x4x60	7x4x60	12x4x60	20x6x80	40x6x100	7x4x60	7x4x60	7x4x60	12x4x80	20x6x100	40x6x100

For pre-connectorised splitter 0.25 db IL must be added to the above value in the table

Part numbers

Splitter type	Connector type				
	No connectors	SC/UPC input and output	SC/APC input and output	LC/UPC input and output	LC/APC input and output
1x2 FB Splitter	XSPSG00001	XSPSG00016	XSPSG00006	XSPSG00021	XSPSG00026
1x4 PLC Splitter	XSPSG00002	XSPSG00017	XSPSG00007	XSPSG00022	XSPSG00027
1x8 PLC Splitters	XSPSG00003	XSPSG00018	XSPSG00008	XSPSG00023	XSPSG00028
1x16 PLC Splitters	XSPSG00004	XSPSG00019	XSPSG00009	XSPSG00024	XSPSG00029
1x32 PLC Splitter	XSPSG00005	XSPSG00020	XSPSG00010	XSPSG00025	XSPSG00030
1x64 PLC Splitter	XSPSG00044	XSPSG00049	XSPSG00054	XSPSG00059	XSPSG00064
2x4 PLC Splitter	XSPSG00045	XSPSG00050	XSPSG00055	XSPSG00060	XSPSG00065
2x8 PLC Splitter	XSPSG00046	XSPSG00051	XSPSG00056	XSPSG00061	XSPSG00066
2x16 PLC Splitter	XSPSG00047	XSPSG00052	XSPSG00057	XSPSG00062	XSPSG00067
2x32 PLC Splitter	XSPSG00048	XSPSG00053	XSPSG00058	XSPSG00063	XSPSG00068

For full splitter technical information, refer to Prysmian datasheet AC005 on our website.




Splitter Modules

Description

Pre-connectorised splitters housed in a protective unit that can be supplied with many different connector types such as FC, SC, ST, E2000, and LC. Other connector types and sizes (horizontal or vertical footprint) are available on request.

Features

- Splitter modules are used to populate the splitter shelf. The splitter outputs are connectorised for direct connection to the network cable patch panels
- The modules are available with split ratios from 1 to 2xn
- The input fibre tail is a ruggedised connectorised fibre that can be routed to a splice and patch shelf for connecting to the network feeder cable

Applications

- FTTH networks
- Datacom networks
- Indoor applications
- ODF

Splitter type	Connector type					
	FC/UPC	FC/APC	SC/UPC	SC/APC	LC/UPC	LC/APC
1x4	XSPSC00080	XSPSC00081	XSPSC00082	XSPSC00083	XSPSC00084	XSPSC00085
1x8	XSPSC00086	XSPSC00087	XSPSC00088	XSPSC00089	XSPSC00090	XSPSC00091
1x16	XSPSC00092	XSPSC00093	XSPSC00094	XSPSC00095	XSPSC00096	XSPSC00097
1x32	XSPSC00098	XSPSC00099	XSPSC00100	XSPSC00101	XSPSC00102	XSPSC00103
1x64	XSPSC00104	XSPSC00105	XSPSC00106	XSPSC00107	XSPSC00108	XSPSC00109

Please don't hesitate to contact Prysmian Group for customised solutions.

Pre-Terminated CTB MK3 Kit (For internal cables)

Description

A compact and attractive design for interior wall mounting. Fully tested, each box is supplied with data for insertion loss and return loss for each connector.

Features

- Supplied with the required cable length pre-terminated and wound onto a cardboard reel; the cable can be spooled out directly from the box
- Eliminates need for splicing in customer premises
- Wall fixings are supplied with the box or it can be mounted directly onto a DIN rail

Applications

- FTTH networks
- CATV
- Datacom networks

Technical data

CTB MK3	
Maximum input cable diameter	5 mm
Number of input cable port	1
Max capacity	4 connectors type SC and 4 splices
Dimensions (mm)	(l) 80 x (w) 80 x (d) 28
Operating temperature	from -25 to +70°C
Material/colour	ABS / White RAL9010
Testing specification	IEC 61300
Inner-shuttered adapter type	SC/APC
Fibre termination	
Connector type	SC/APC
Insertion lost (IL) @ 1310 nm and 1550 nm	≤0/0.35dB
Return lost (RL) @ 1310 nm and 1550 nm	≥60dB
Nominal connector angle SC/APC	8°
Operating temperature	from -25 to +70°C
Testing specification	IEC 61300

Overview

- The «pull» type cables for duct installation or direct-to-wall installation are LSOH, have a 4 mm nominal diameter, can contain from one to four *BendBright*^{XS} fibres (G.657.A2) in a 900 microns buffer, and are SC/APC pre-terminated
- The «push» type cables for duct installation are LSOH, have a 2.7 mm maximum diameter, can contain from one to four *BendBright*^{XS} fibres (G.657.A2) in a 900 microns buffer, and are SC/APC pre-terminated. All the accessories needed to push the cable are supplied within the kit

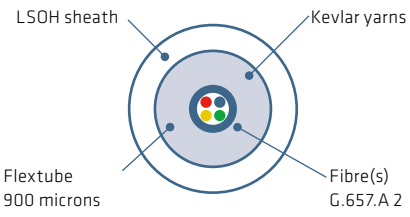
Logistics

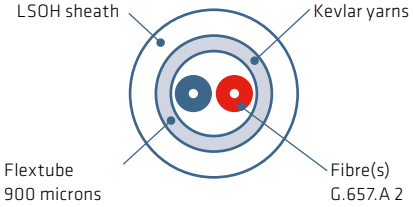
- Unroller dimensions (mm) – (l) 280 x (w) 260 x (d) 55
- MOQ – 12 kits
- Transportation box for 12 kits (mm) – (l) 800 x (w) 300 x (d) 260
- Number of kits per Euro-palette (800 x1200 mm) – 192 kits
- Weights

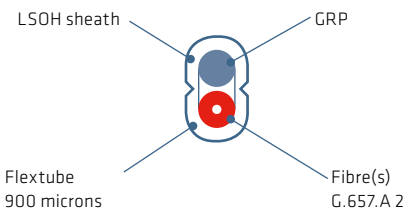
CTB MK3 kit 1FO 30 m	0.35 kg
CTB MK3 kit 1FO 30 m	0.35 kg
CTB MK3 kit 1FO 30 m	0.20 kg
CTB MK3 kit 1FO 50 m	0.95 kg
CTB MK3 kit 1FO 50 m	0.95 kg
CTB MK3 kit 1FO 50 m	0.50 kg

Technical data – Cable

Description	Number of fibres				
	1	4	2	1	4
Cable type	Pullable			Pushable	
Nominal diameter (mm)	4	4	4	2,7 x 1,9	2,7 x 1,9
Weight (kg/km)	16	16	16	7	7
Minimal bending radius (mm)	20	20	20	20	20
Maximal tensile strength (daN)	40	40	40	15	15
Crush (daN/100 mm)	15	15	15	10	10
Operating temperature (°C)	-30/+70			-5/+60	
Fibre type	G.657.A2 (*BendBright*^{XS})				







Part numbers

Pre-Terminated CTB MK3 Kit equipped with « push » type cable

Part no.	Description	Product content
XCPSC3137	CTB MK3 Kit 1FO -1R 30 m	CTB MK3 equipped with 1fo «push» type cable, 30 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller with all accessories required to push the cable inside a duct.
XCPSC03138	CTB MK3 Kit 1FO -1R 50 m	CTB MK3 equipped with 1fo «push» type cable 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller with all accessories required to push the cable inside a duct.
XCPSC03141	CTB MK3 Kit 4FO -4R 30 m	CTB MK3 equipped with 4fo «push» type cable, 30 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller with all accessories required to push the cable inside a duct.
XCPSC03142	CTB MK3 Kit 4FO -4R 50 m	CTB MK3 equipped with 4fo «push» type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller with all accessories required to push the cable inside a duct.

Pre-terminated CTB MK3 Kit equipped with « pull » type cable

Part no.	Description	Product content
XCPSC02967	CTB MK3 Kit 1FO 30 m	CTB MK3 equipped with 1fo «pull» type cable 30 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC02968	CTB MK3 Kit 1FO 50 m	CTB MK3 equipped with 1fo «pull» type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC02971	CTB MK3 Kit 2FO 30 m	CTB MK3 equipped with 2fo «pull» type cable 30 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC02972	CTB MK3 Kit 2FO 50 m	CTB MK3 equipped with 2fo «pull» type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC02969	CTB MK3 Kit 4FO 30 m	CTB MK3 equipped with 4fo «pull» type cable 30 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC02970	CTB MK3 Kit 4FO 50 m	CTB MK3 equipped with 4fo «pull» type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.

Breakout Cable Assembly

Description

Pre-connectorised cables with more than four fibres, available for indoor and outdoor applications.

The cables are terminated with optical connectors on one or both ends, depending on customer requirements, and are available in different lengths and packaging.

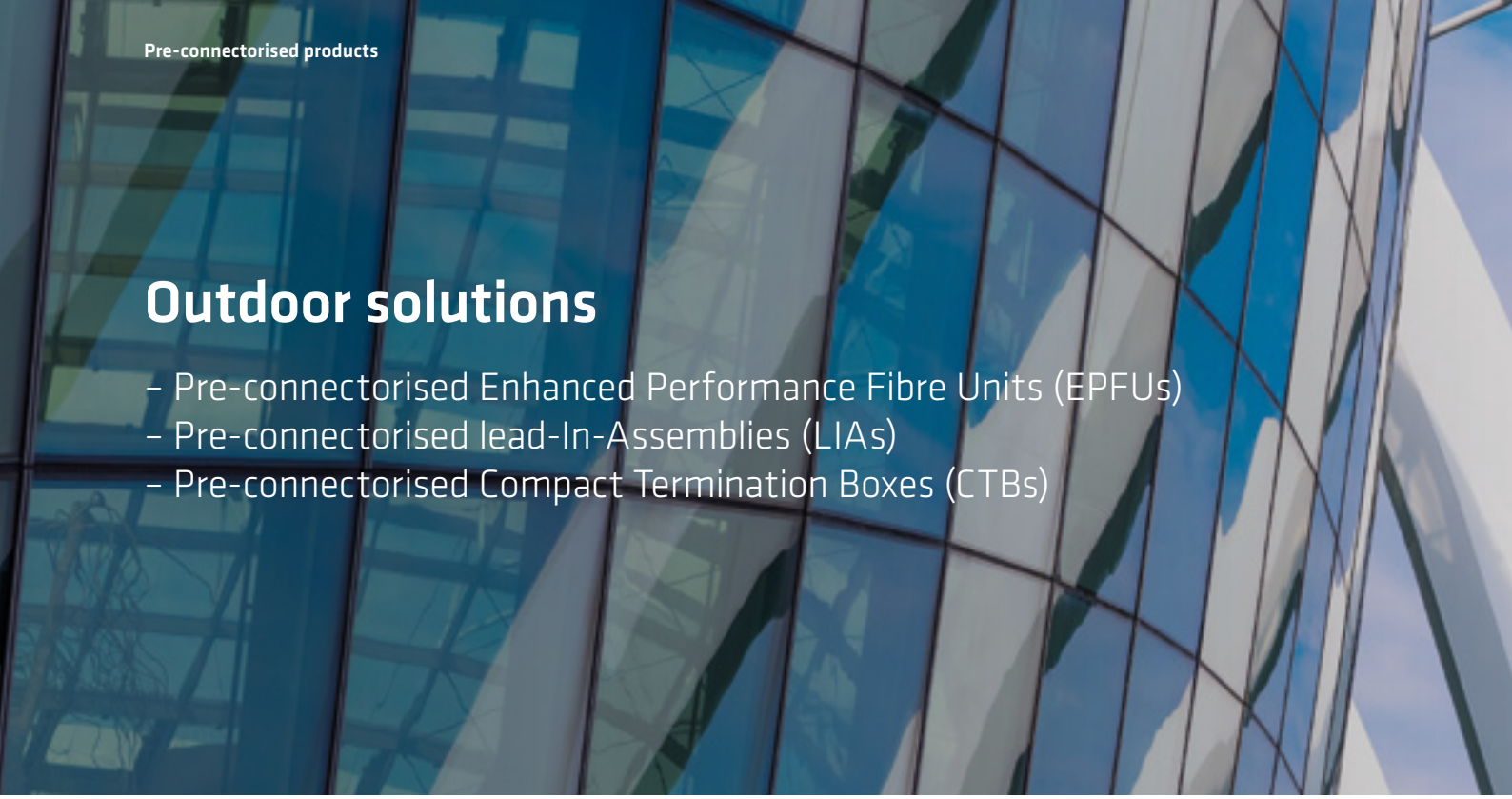
Features

- Wide range of fibres and cable types for the performance you need
- Cable customisations under request
- Full line of connectors – LC, SC, ST, FC etc
- Low temperature range

Applications

- FTTH networks
- Datacom networks
- Indoor applications
- ODF

Prysmian Group Part Numbers	Descriptions
XPPSG02915	Mini breakout 6FO Pig 2 mm Legs LCUPC
XPPSG02916	Mini breakout 12FO Pig 2 mm Legs LCUPC
XPPSG02917	Mini breakout 12FO PAT 2 mm Legs LCUPC
XPPSG02921	Outdoor pigtail Low Temperature (11+1.5)mt 12 F.O. G652D with Legs 1.5mt (11 LC/UPC+1 SC/UPC) 2 mm LSZH
XPPSG02922	Outdoor patchcord Low Temperature (11+1.5*2)mt 12 F.O. G652D with Legs 1.5mt (11 LC/UPC+1 SC/UPC sida A and 12 SC/APC side B) 2 mm LSZH
XPPSG02923	Outdoor pigtail Low Temperature (11+1.5)mt 6 F.O. G652D with Legs 1.5mt (5 LC/UPC + 1 SC/UPC) 2 mm LSZH



Outdoor solutions

- Pre-connectorised Enhanced Performance Fibre Units (EPFUs)
- Pre-connectorised lead-In-Assemblies (LIAs)
- Pre-connectorised Compact Termination Boxes (CTBs)

Preconnectorised EPFU (Enhanced Performance Fibre Units)

Description

Prysmian produces EPFUs specifically engineered for blown fibre applications.

The optical fibres are initially encapsulated in a soft inner acrylate layer which cushions the fibres, followed by an outer harder layer, protecting the fibres from external damage.

Our pigtails use cables and fibres manufactured by Prysmian Group, and are available in both single and multimode.

Features

- The unit is supplied on a compact plastic reel with a cover to protect the connectors and fibre
- The connectorised end is available with connectors either parallel, staggered, or reinforced with protective tubing
- Factory terminated unit of 1, 2 or 4 fibre versions, available as standard with a variety of connectors on a plastic reel
- Different lengths offered, from 30 m up to 250 m (in 50 m steps) and 300 m to 500 m for blowing applications

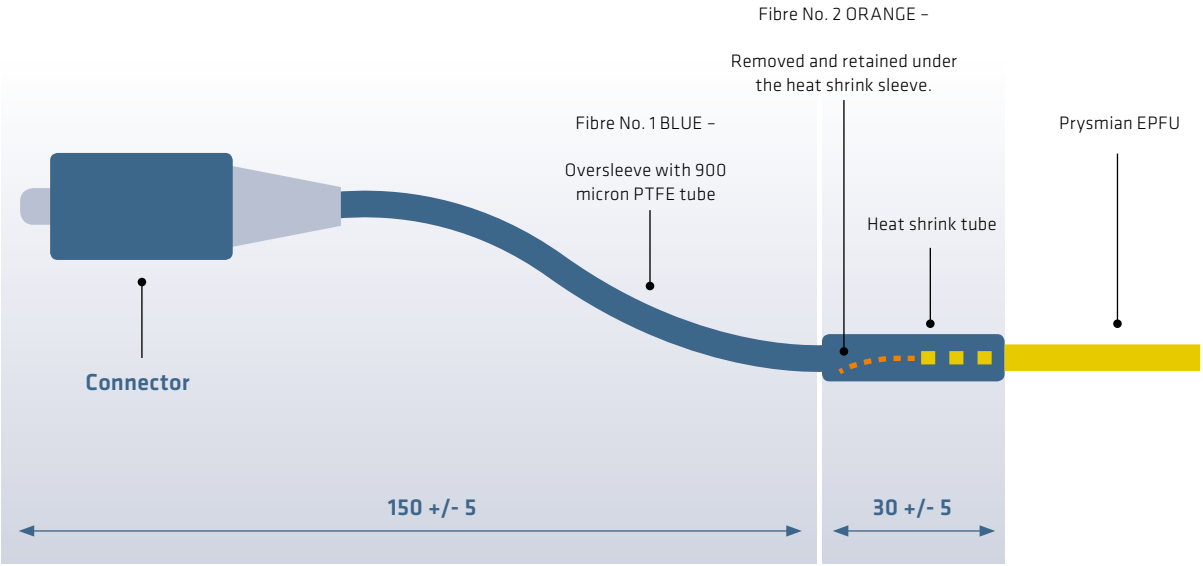
Applications

- FTTH networks
- DUCTS

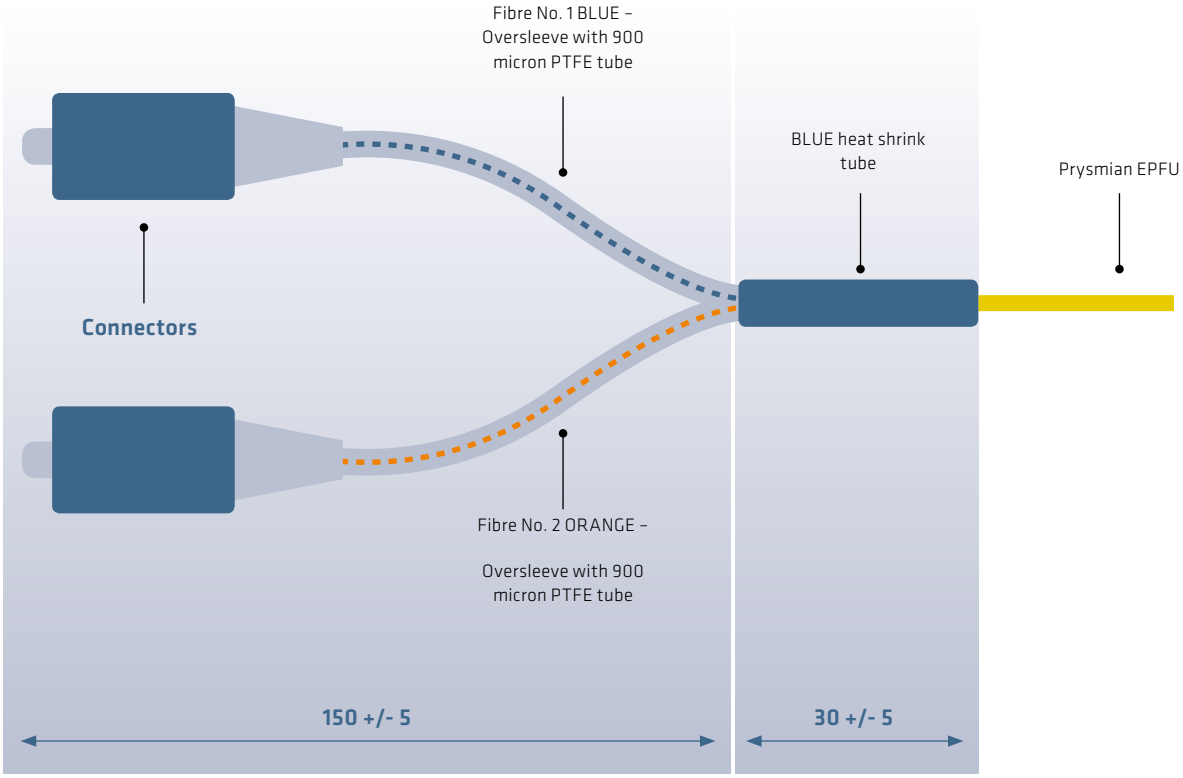
Technical data

Singlemode (1310/1550 nm)	
Max insertion loss (dB)	≤ 0.3 Typical 0.2 (UPC and APC)
Return loss (dB)	≥ 55 (UPC), ≥ 65 (APC)
Intermateability	IEC 874-14
Operating temperature	-40oC to + 85oC
Packaging dimensions (mm)	Reel = Ø230 x 65 width; spindle hole diameter = 25
Colour coding of fibres	Fibre No.1 = Blue Fibre No.2 = Orange Fibre No.3 = Green Fibre No.4 = Red
Multimode (850 nm)	
Max insertion loss (dB)	≤ 0.4 (UPC)
Return loss (dB)	Not measured
Intermateability	IEC 874-14
Operating temperature	-40oC to + 85oC

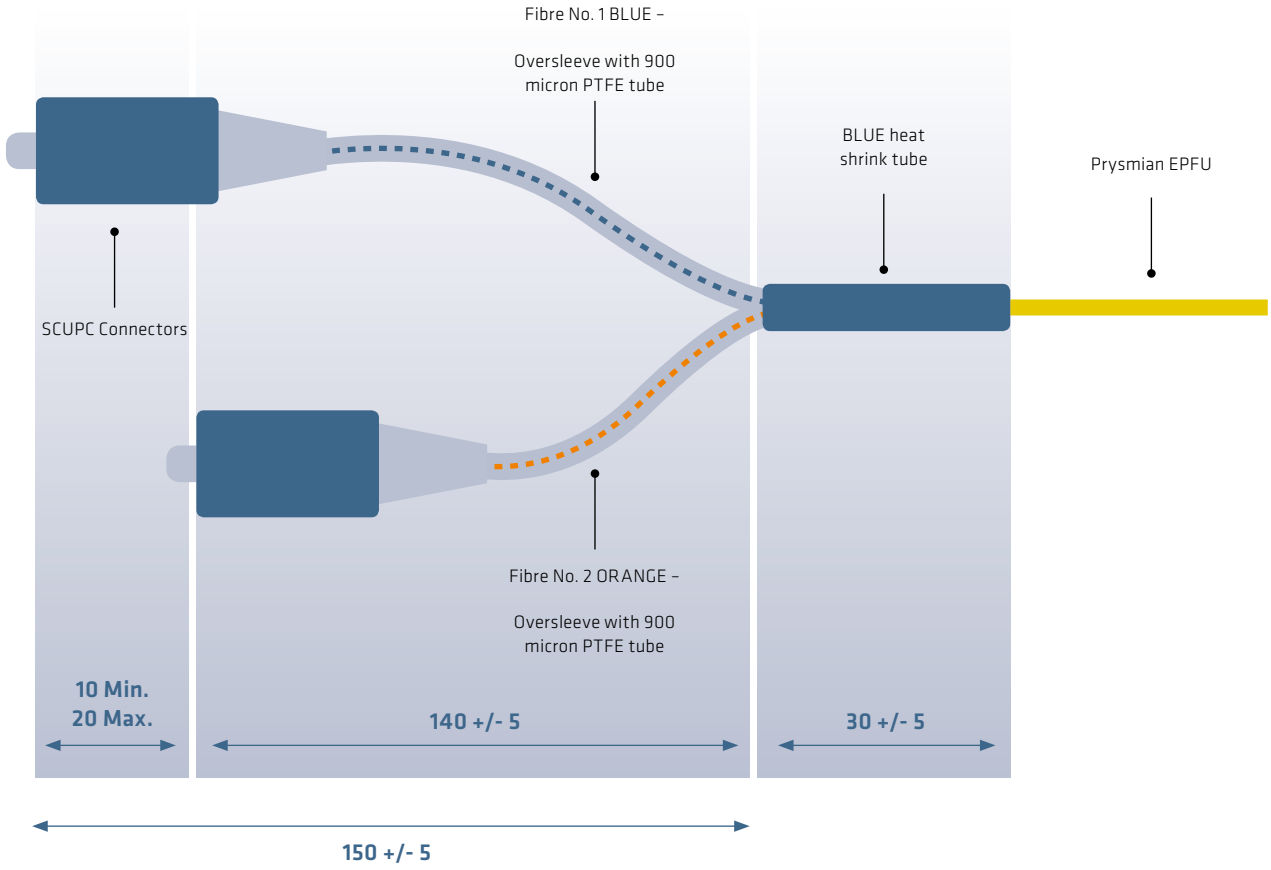
Single Fibre Unit



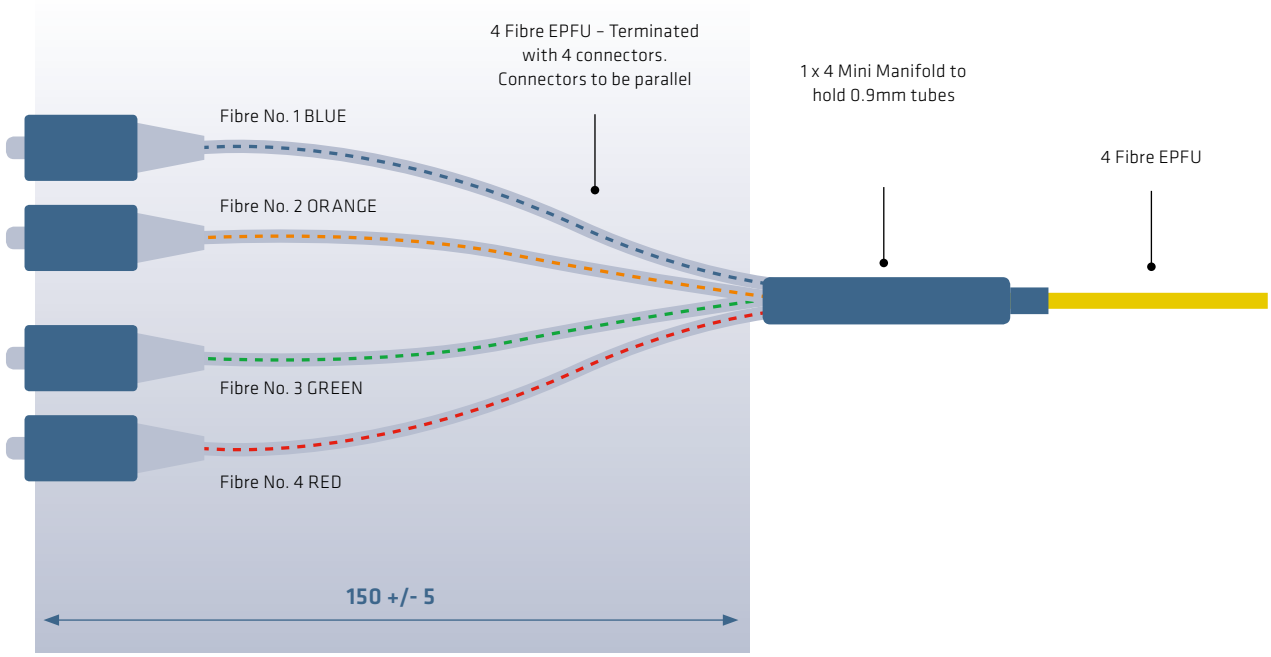
2 Fibre Unit – Parallel Connectors



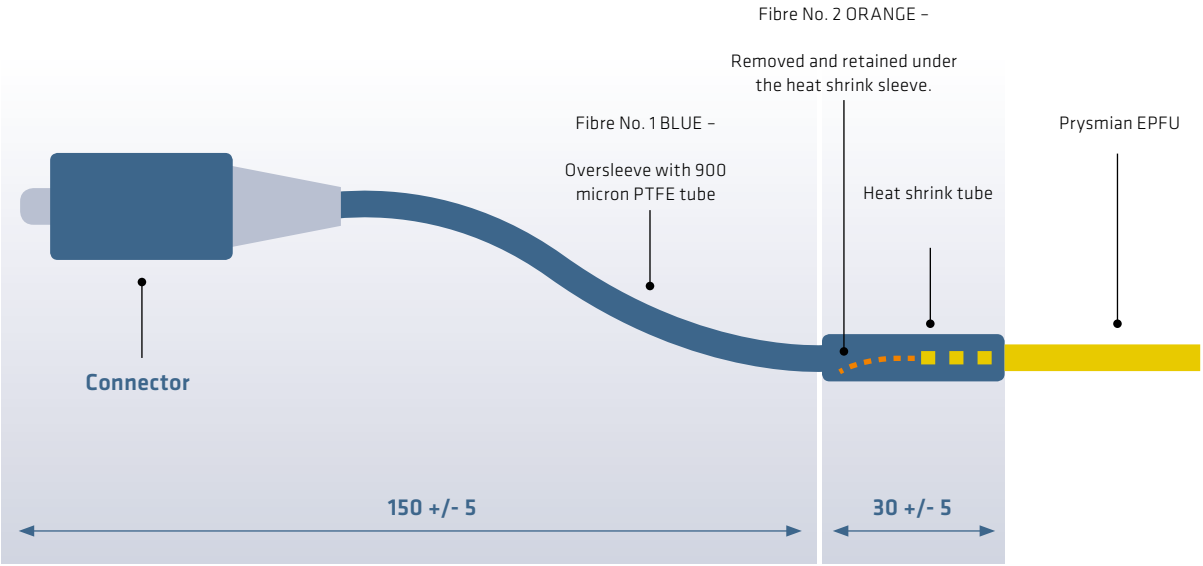
2 Fibre Unit – Staggered Connectors



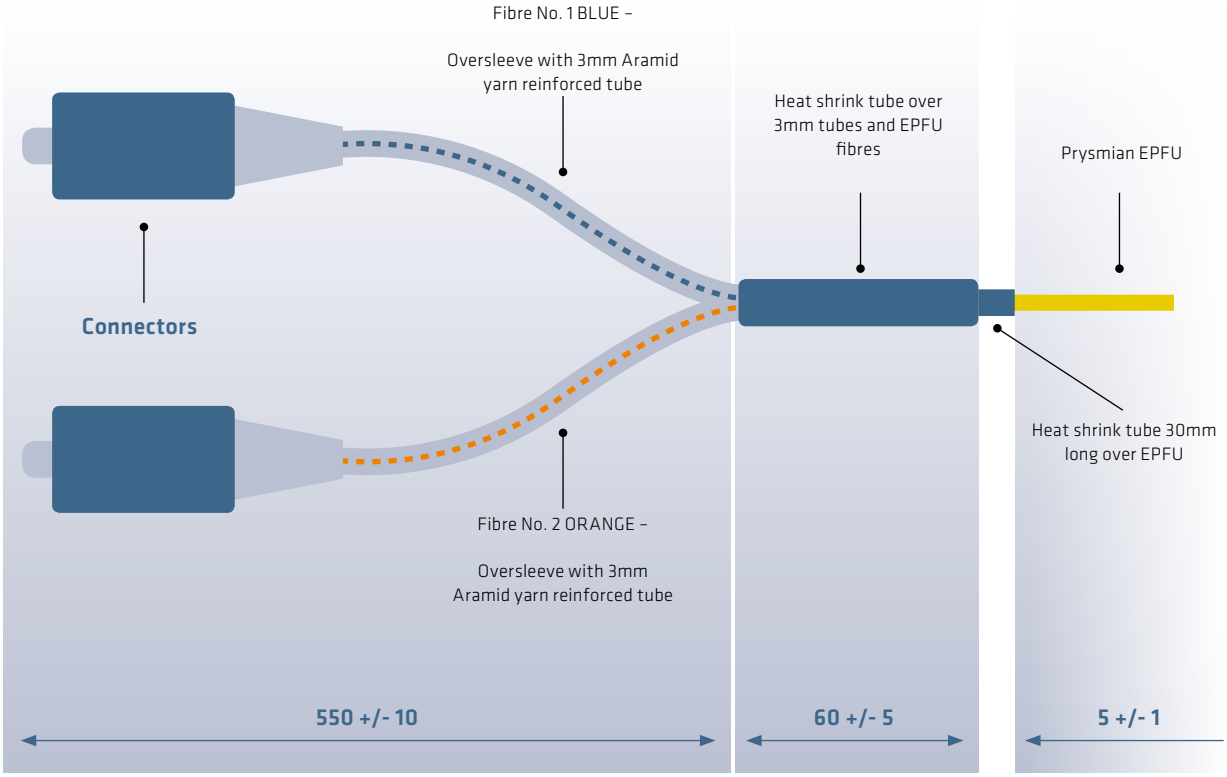
4 Fibre Unit – Parallel Connectors



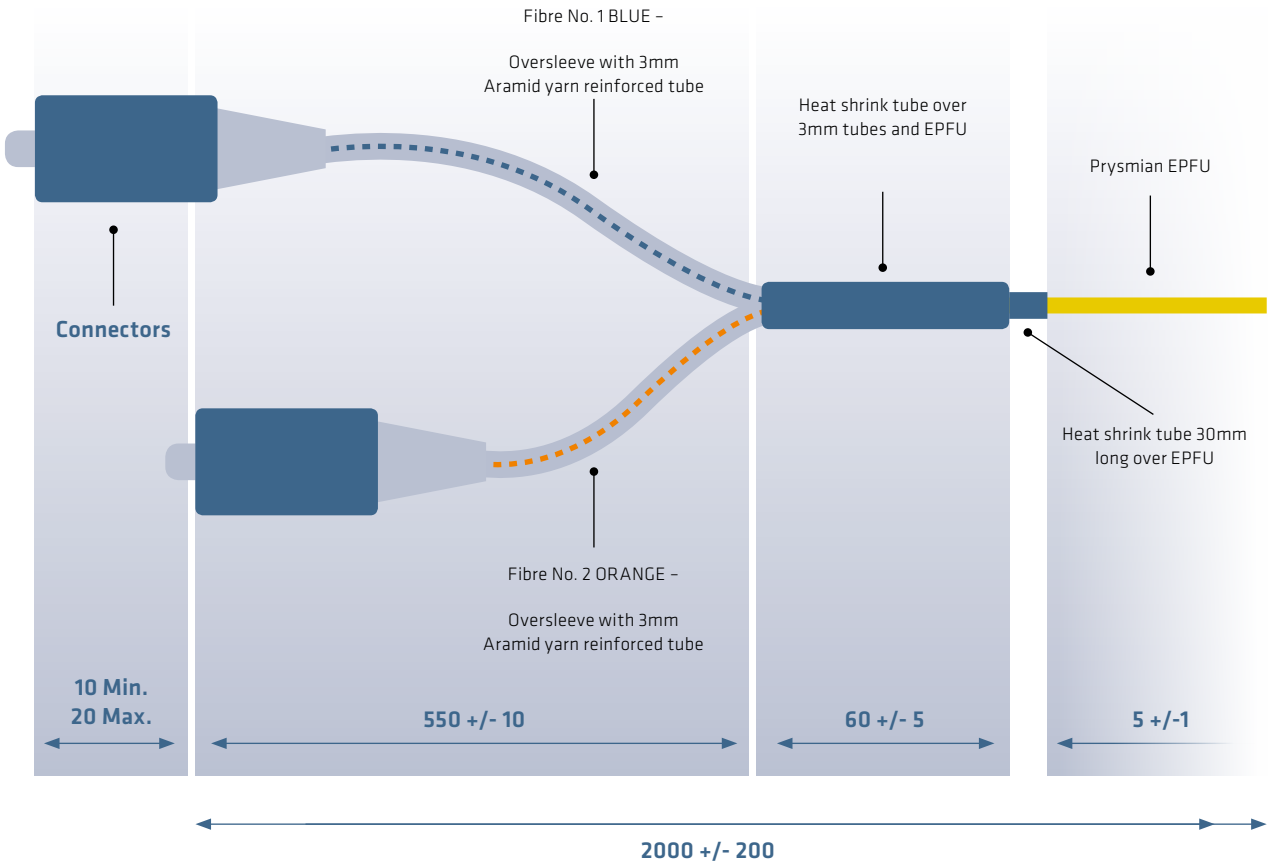
4 Fibre Unit – Staggered Connectors



2 Fibre Unit – Parallel Connectors – Reinforced



2 Fibre Unit – Staggered Connectors – Reinforced



Part numbers

Pre-terminated EPFU part numbers are made up using the table below. The part number is 18 digits in length.

The part number always starts with the letters E to denote that it is pre-connectorised EPFU. This is followed by a dash and then a two digit code for the type of termination (parallel, staggered or reinforced). Another dash is followed by a two digit code for the number of fibres required. Two digits must always be entered here. So for 5 metres, enter 05. After another dash a three digit code is entered for the required total length of EPFU. Another dash is followed by a three digit code for the connector type. Finally, another dash is entered and then a two digit code for the fibre type.

TERMINATED ENHANCED PERFORMANCE FIBRE UNIT – PART NUMBER REFERENCE SHEET

Enter two letters:

PN = Parallel Terminations Normal.
PR = Parallel Terminations Reinforced.
SN = Staggered Terminations Normal.
SR = Staggered Terminations Reinforced.

Enter Length in Three digits.

030 = 30 metres
050 = 50 metres
100 = 100 metres
150 = 150 metres

A1 = G657A1
A2 = G657A2
D2 = G652D
M1 = OM1
M2 = OM2
M3 = OM3
M4 = OM4

EPFU		TERMINATION TYPE		NO. FIBRES		LENGTH		CONNECTOR		FIBRE TYPE
E	-	XX	-	XX	-	XXX	-	XXX	-	XX

E = Terminated EPFU

Enter No. of Fibres

Examples:
01 = 1 Fibre EPFU
02 = 2 Fibre EPFU
04 = 4 Fibre EPFU
08 = 8 Fibre EPFU
12 = 12 Fibre EPFU

SCU = SC/UPC
SCA = SC/APC
LCU = LCU/PC
LCA + LCA/PC

*Others on request

Example of Part Number: E-PN-02-050-SCU-A1 = Parallel Terminated 2 Fibre EPFU 50m long SC/UPC Connectors G657A1 Fibre.

Products to be terminated in accordance with the following documents:

P-R&D-CO-000-01 EPFU 1FO
P-R&D-CO-000-01 EPFU 2FO – PARALLEL
P-R&D-CO-000-01 EPFU 2FO – STAGGERED

PRYSMIAN datasheet ac027-01 pre-connectorised EPFU

Pre-Terminated CTB MK3 Kit (For external cables)

Description

A compact and attractive design for interior wall mounting with outdoor cable use. Fully tested, each box is supplied with data for insertion loss and return loss for each connector.

Features

- Supplied with the required cable length pre-terminated and wound onto a cardboard reel. The cable can be spooled out directly from the box
- Eliminates the need for splicing in customer premises
- Wall fixings are supplied with the box or it can be mounted directly onto a DIN rail

Applications

- FTTH networks
- CATV
- Datacom networks
- Outdoor applications to indoor premises

Technical data

Fibre termination	
Connector type	SC/APC
Insertion lost (IL) @ 1310 nm and 1550 nm	≤0,35dB
Return lost (RL) @ 1310 nm and 1550 nm	≥60dB
Nominal connector angle SC/APC	8°
Operating temperature	from -25 to +70°C
Testing specification	FT/RD/RESA/06/04/253

Overview

- The «pull» type cables for duct installation or direct-to-wall installation are LSOH, have a 4 mm nominal diameter, can contain from one to four *BendBright*^{XS} fibres (G.657.A2) in a 900 microns buffer, and are SC/APC pre-terminated
- The «push» type cables for duct installation are LSOH, have a 2.7 mm maximum diameter, can contain from one to four *BendBright*^{XS} fibres (G.657.A2) in a 900 microns buffer, and are SC/APC pre-terminated. All the accessories needed to push the cable are supplied within the kit

Logistics

- Unroller dimensions (mm) – (l) 400 x (w) 370 x (d) 150
- MOQ – 32 kits
- Number of kits per Euro-palette (800 x 1200 mm) – 32 (H=880 mm)
- Weights

CTB MK3 kit 50 m	2.4 kg
CTB MK3 kit 100 m	3.9 kg
CTB MK3 kit 50 m	1.6 kg
CTB MK3 kit 100 m	2.5 kg

Part numbers

Pre-Terminated CTB MK3 Kit equipped with internal/external cable

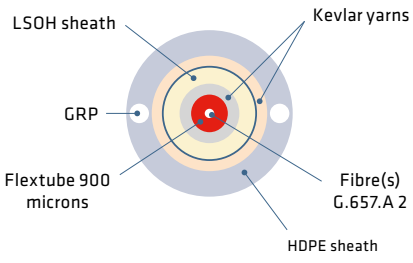
Part no.	Description	Product content
XCPSC03110	CTB MK3 Kit 1FO 50 m	CTB MK3 equipped with 1fo internal/external type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC03111	CTB MK3 Kit 1FO 100 m	CTB MK3 equipped with 1fo internal/external type cable, 100 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC03114	CTB MK3 Kit 4FO 50 m	CTB MK3 equipped with 4fo internal/external type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC03115	CTB MK3 Kit 4FO 100 m	CTB MK3 equipped with 4fo internal/external type cable, 100 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC02949	CTB MK3 Kit 4FO 30 m	CTB MK3 equipped with 4fo «pull» type cable 30 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC02950	CTB MK3 Kit 4FO 50 m	CTB MK3 equipped with 4fo «pull» type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.

Pre-terminated CTB MK3 Kit equipped with external cable

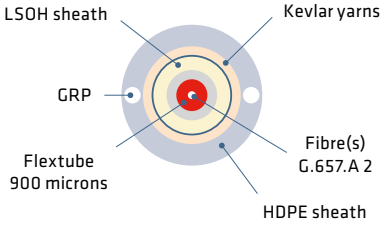
Part no.	Description	Product content
XCPSC03082	CTB MK3 Kit 1FO 50 m	CTB MK3 equipped with 1fo external type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC03083	CTB MK3 Kit 1FO 100 m	CTB MK3 equipped with 1fo external type cable, 100 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC03120	CTB MK3 Kit 4FO 50 m	CTB MK3 equipped with 4fo external type cable, 50 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.
XCPSC03121	CTB MK3 Kit 4FO 100 m	CTB MK3 equipped with 4fo external type cable, 100 metres in length, wall box's end SC/APC pre-terminated. The CTB MK3 is supplied within the unroller.

Description	Number of fibres			
	1	4	1	4
Cable type	Int/ext 6 mm		Ext 5 mm	
Nominal diameter (mm)	6	6	5	5
Weight (kg/km)	30	30	20	20
Minimal bending radius (mm)	60	60	50	50
Maximal tensile strength (daN)	80	80	80	80
Crush (daN/100 mm)	20	20	20	20
Operating temperature (°C)	-40/+70			
Fibre type	G.657.A2 (BendBright XS)			

Int/ext 6mm



Ext 5mm



QUICKDR@W® Lead-In Assembly (LIA)

Description

A system designed for one-man customer connection using semi-skilled labour, thus significantly reducing the cost of subscriber connections.

Features

- Up to 8 pre-connectorised QUICKDR@W® LIA MK3s can be individually installed into the lead-in seal ports
- The joint can be supplied with SC-type adapters and pigtails pre-installed for single fibre applications, or LC-type adapters and pigtails pre-installed for dual fibre applications
- Can also be supplied with pre-installed connectorised passive splitters (1x8 or 1x16)
- The joint allows storage of a continuous loop of loose tube cable elements within the dedicated storage area at the front of the closure
- The Connectorised Lead-in Joint (CLJ) closure is sealed to IP68

Applications

- FTTH networks
- Outdoor networks

The QUICKDR@W® Connectorised LIA MK3 is supplied with:

- Splice tray
- Connector patch panel
- Pigtails
- Oval port installation kit
- Splice protectors
- Wall mounting bracket

Options are also available for pre-installed passive splitters (1x8 or 1x16).

Technical data

Number of cable ports	8 (lead-in seal), 1 (oval), 2 (circular)
Max cable diameter (mm)	7 (lead-in seal), 21 (oval), 12 (circular)
Max splice tray capacity	1 (16 fibres), 1 upgrade (additional 24)
Max capacity	8 customer connection cables (1f or 2f each)
Max loop capacity	48 (4 x 12 fibre elements)
Required space envelope (mm)	(l) 300 x (w) 231 x (d) 164 (length 410 mm when heat shrink applied)
Operating temperature	-20°C to + 70°C (5 to 95% RH)
Sealing	IP68

Additional items

QUICKDR@W LIA MK 3

- A pre-connectorised cable for the Connectorised Lead-in Joint (CLJ)
- Contains all components required to install one pre-connectorised cable between the CLJ and customer premise
- The cables are supplied on reels in various standard lengths, and are available in 1F or 2F versions

For more information and part numbers, see QUICKDR@W Lead-In Assembly MK3 datasheet OP024 on our website.

CLJ MK3 Secondary Splice Tray

Part No. – **XJTSC00533**

- Use to upgrade the splicing capacity of the CLJ MK3
- The splice tray can accommodate 24 fibre splices
- For applications where a spur cable is required to be dropped from the primary looped cable

CoEx Solutions

- CoEx Type 1
- CoEx Type 2
- CoEx Type 3
- CoEx Type 4
- CoEx Type 5
- CoEx Type 6

CoEx Wavelength-Division Multiplexing (WDM) application

Description

A WDM module or coexistence element is designed to enable the implementation of gigabit passive optical network (GPON) evolutions to XGS-PON and NG-PON2.

Engineered for scenarios where services are already guaranteed using GPON but the deployment of different FTTH access technologies is desired, including Optical Time Domain Reflectometre (OTDR) signal too.

In other words, CoEx elements enable the convergence of multiple services over a common access network, allowing flexibility while saving on costs.

It's a plug and play solution for quick and easy handling and identification.

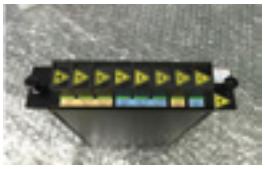
Features

- Device can include one or more WDM elements, depending on type
- Allows coexistence between XPON technologies and GPON, XGS-PON and NG-PON2
- OTDR signal also available
- Modules equipped with anti-dust shuttered adaptors and secure laser warning label
- Modules can be supplied in standard LGX box footprint or different and customised form factor

CoEx Modules

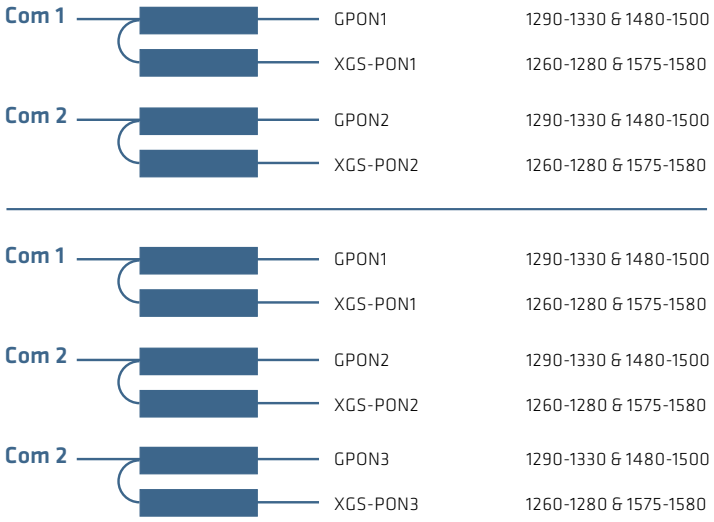
EXAMPLE SETUP CoEx Type 3

Parameters		
GPON (nm)		1290-1330 & 1480-1500
XGS-PON (nm)		1260-1280 & 1575-1580
NG-PON2 (nm)		1524-1544 & 1596-1603
Fibre type		G652D
IL (dB)	COM-> GPON	≤0.9
	COM-> XGS-PON & NG-PON2	≤1.2
Isolation (dB)	COM-> GPON@ XGS-PON & NG-PON2	≥30
	COM-> XGS-PON & NG-PON2 @ GPON	≥45
PDL (dB)		≤0.15
RL (dB)		≥48
Directivity (dB)		≥50
Maximum optical power (mw)		500
Operating temperature (°C)		-5~75
Storage temperature (°C)		-40~90
Connector type		SC/APC
LGX BOX		180*130*29



CoEx Type 1

Allows coexistence of GPON and XGS-PON technologies

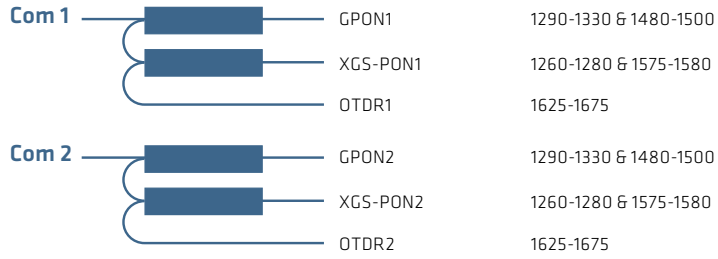


Parameters		
GPON wavelength (nm)		1290-1330 & 1480-1500
XGS-PON wavelength (nm)		1260-1280 & 1575-1580
Fibre type		G652D
IL (dB)	COM-> GPON	≤0.8
	COM-> XGS-PON	≤1.2
Isolation (dB)	COM-> GPON@ XGS-PON	≥30
	COM-> XGS-PON @ GPON	≥30
PDL (dB)		≤0.15
RL (dB)		≥50
Directivity (dB)		≥50
Max optical power (mw)		500
Operating temperature (°C)		-5~75
Storage temperature (°C)		-40~90
Connector type		SC/APC
LGX BOX		180*130*28

Product name	Product description	Part no.
CoEx TYPE 1	coexistence of GPON and XGS-PON technologies	XCPSC03185

CoEx Type 2

Allows coexistence of GPON and XGS-PON technologies and OTDR

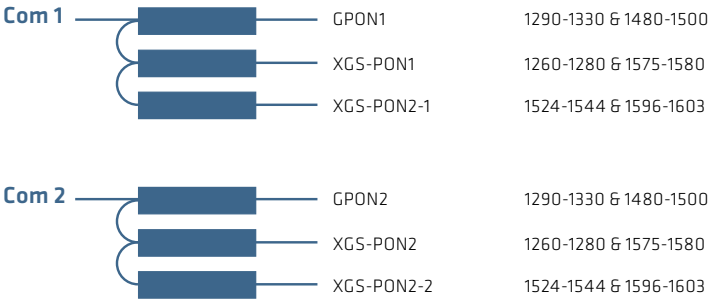


Parameters		
GPON wavelength (nm)		1290-1330 & 1480-1500
XGS-PON wavelength (nm)		1260-1280 & 1575-1580
OTDR (nm)		1625-1675
Fibre type		G652D
IL (dB)	COM-> GPON	≤0.8
	COM-> XGS-PON	≤1.2
	COM-> OTDR	≤1.2
Isolation (dB)	COM-> GPON@ XGS-PON & OTDR	≥30
	COM-> XGS-PON @ GPON & OTDR	≥30
	COM->OTDR @ GPON&XGS-PON	≥15
PDL (dB)		≤0.15
RL (dB)		≥50
Directivity (dB)		≥50
Max optical power (mw)		500
Operating temperature (°C)		-5~75
Storage temperature (°C)		-40~90
Connector type		Com: LC/APC; Others: SC/APC
LGX BOX		180*130*28

Product name	Product description	Part no.
CoEx TYPE 2	coexistence of gpon and xgs-pon technologies and otdr	XCPSC03186

CoEx Type 3

Allows coexistence of GPON -XGS-PON and NG-PON2 technologies

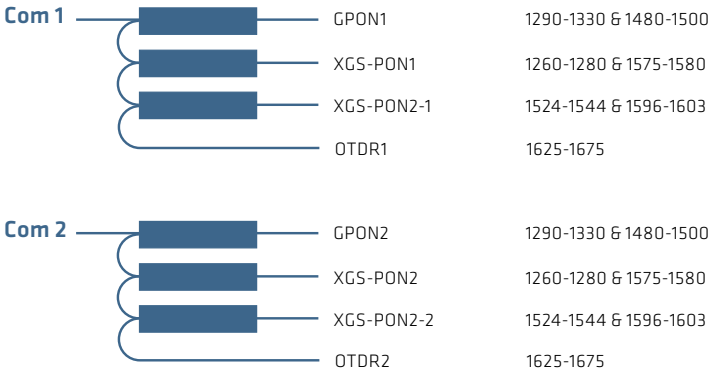


Parameters		
GPON wavelength (nm)		1290-1330 & 1480-1500
XGS-PON wavelength (nm)		1260-1280 & 1575-1580
NG-PON2 (nm)		1524-1544 & 1596-1603
Fibre type		G652D
IL (dB)	COM-> GPON	≤0.8
	COM-> XGS-PON	≤1.2
	COM-> NG-PON2	≤1.4
Isolation (dB)	COM-> GPON @ XGS-PON & NG-PON2	≥30
	COM-> XGS-PON @ GPON & NG-PON2	≥30
	COM-> NG-PON2 @ GPON & XGS-PON	≥30
PDL (dB)		≤0.15
RL (dB)		≥50
Directivity (dB)		≥50
Max optical power (mw)		500
Operating temperature (°C)		-5~75
Storage temperature (°C)		-40~90
Connector type		SC/APC
LGX BOX		180*130*28

Product name	Product description	Part no.
CoEx TYPE 3	coexistence of GPON -XGS-PON and NG-PON2 technologies	XCPSC02954

CoEx Type 4

Allows coexistence of GPON -XGS-PON and NG-PON2 and OTDR

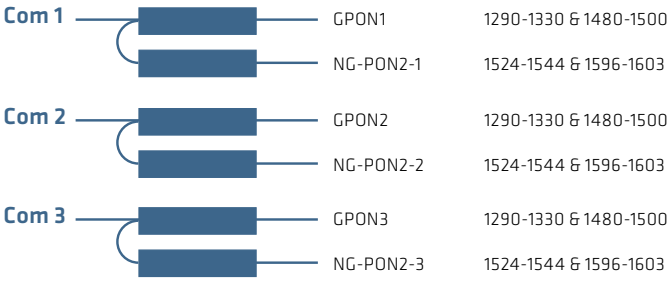


Parameters		
GPON wavelength (nm)		1290-1330 & 1480-1500
XGS-PON wavelength (nm)		1260-1280 & 1575-1580
NG-PON2 (nm)		1524-1544 & 1596-1603
OTDR (nm)		1625-1675
Fibre type		G652D
IL (dB)	COM-> GPON	≤0.8
	COM-> XGS-PON	≤1.2
	COM-> NG-PON2	≤1.4
	COM-> OTDR	≤1.6
Isolation (dB)	COM-> GPON@ XGS-PON & NG-PON2&OTDR	≥30
	COM-> XGS-PON @ GPON& NG-PON2&OTDR	≥30
	COM-> NG-PON2 @ GPON&XGS-PON&OTDR	≥30
	COM-> OTDR @ GPON & XGS-PON& NG-PON2	≥15
PDL (dB)		≤0.15
RL (dB)		≥50
Directivity (dB)		≥50
Max optical power (mw)		500
Operating temperature (°C)		-5~75
Storage temperature (°C)		-40~90
Connector type		Com: LC/APC: Others: SC/APC
LGX BOX		180*130*28

Product name	Product description	Part no.
CoEx TYPE 4	coexistence of GPON -XGS-PON and NG-PON2 and OTDR	XCPSC02955

CoEx Type 5

Allows coexistence of GPON and NG-PON2

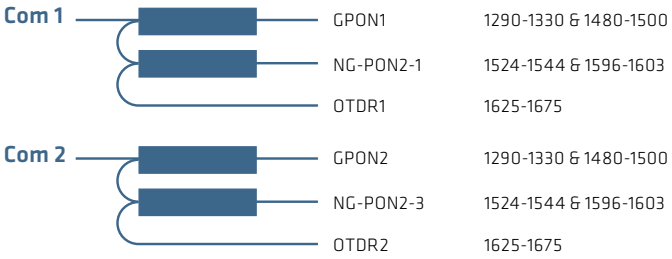


Parameters		
GPON wavelength (nm)		1290-1330 & 1480-1500
NG-PON2 (nm)		1524-1544 & 1596-1603
Fibre type		G652D
IL (dB)	COM-> GPON	≤0.8
	COM-> NG-PON2	≤1.2
Isolation (dB)	COM-> GPON@ NG-PON2	≥30
	COM-> NG-PON2 @ GPON	≥30
PDL (dB)		≤0.15
RL (dB)		≥50
Directivity (dB)		≥50
Max optical power (mw)		500
Operating temperature (°C)		-5~75
Storage temperature (°C)		-40~90
Connector type		SC/APC
LGX BOX		180*130*28

Product name	Product description	Part no.
CoEx TYPE 5	coexistence of GPON and NG-PON2	XCPSC03187

CoEx Type 6

Allows coexistence of GPON – NG-PON2 and OTDR



Parameters		
GPON wavelength (nm)		1290-1330 & 1480-1500
NG-PON2 (nm)		1524-1544 & 1596-1603
OTDR (nm)		1625-1675
Fibre type		G652D
IL (dB)	COM-> GPON	≤0.8
	COM-> NG-PON2	≤1.2
	COM-> OTDR	≤1.2
Isolation (dB)	COM-> GPON@ NG-PON2 & OTDR	≥30
	COM-> NG-PON2 @ GPON & OTDR	≥30
	COM-> OTDR @ GPON & NG-PON2	≥15
PDL (dB)		≤0.15
RL (dB)		≥50
Directivity (dB)		≥50
Max optical power (mw)		500
Operating temperature (°C)		-5~75
Storage temperature (°C)		-40~90
Connector type		Com: LC/APC; Others: SC/APC
LGX BOX		180*130*28

Product name	Product description	Part no.
CoEx TYPE 6	coexistence of gpON – NG-PON2 and OTDR	XCPSC03188

High Density Solutions

– MPO cable assembly
– MTP® cable assembly

MPO and MTP® connectors

What is an MPO connector?

- MPO is the industry acronym for 'multi-fibre push on'
- In other words, a multi-fibre connector (a single connector that houses multiple fibre terminations)
- MPO connectors were developed to provide multi fibre connectivity in one connector to support higher bandwidth and higher density applications
- The most common fibre counts are 12 and 24 currently. 48 to 72 are possible but with limited applications
- The next format due will be 16 & 32 fibre required for 400Gb applications

What is an MTP® connector?

- The MTP® connector, is a high performance MPO connector with multiple engineered product enhancements to improve optical and mechanical performance when compared to generic MPO connectors
- The MTP® connector is in complete compliance with all MPO connectors and is 100% intermateable

What is an MTP® Elite?

- The Elite version offers lower insertion loss compared to the standard MTP®
- The maximum for a mated pair is 0.35 db vs 0.6 db for Multimode, and 0.35 db vs 0.75 db for singlemode fibre*
- Universal Networks has standardized the MTP® Elite connector for all assemblies unless specifically mentioned otherwise
- *Typical IL achieved in production is far better, averaging 0.1 db for singlemode on the Elite for example

What makes the MTP® connector superior to generic MPO connectors?

The MTP® connector has features and benefits that are not available on generic MPO connectors. Some of the key distinctions include:

- The MTP® connector has a removable housing. This allows the customer to re-work and re-polish the MT ferrule, change the gender after assembly or even in the field, and scan the ferrule interferometrically after assembly
- The MTP® has a floating ferrule to improve mechanical performance. This allows two mated ferrules to maintain physical contact while under an applied load
- The MTP® connector uses tightly held tolerance stainless steel elliptical guide pin tips. This improves guidance and reduces guide hole wear
- The MTP® connector has a metal pin clamp with features for centering the push spring. This feature eliminates lost pins, centres spring force and eliminates fibre damage from spring
- The MTP® connector spring design maximises ribbon clearance for twelve fibre and multi-fibre ribbon applications to prevent fibre damage
- The MTP® connector is offered with four strain relief boot variations to meet a wide array of applications

MPO Cable Assembly

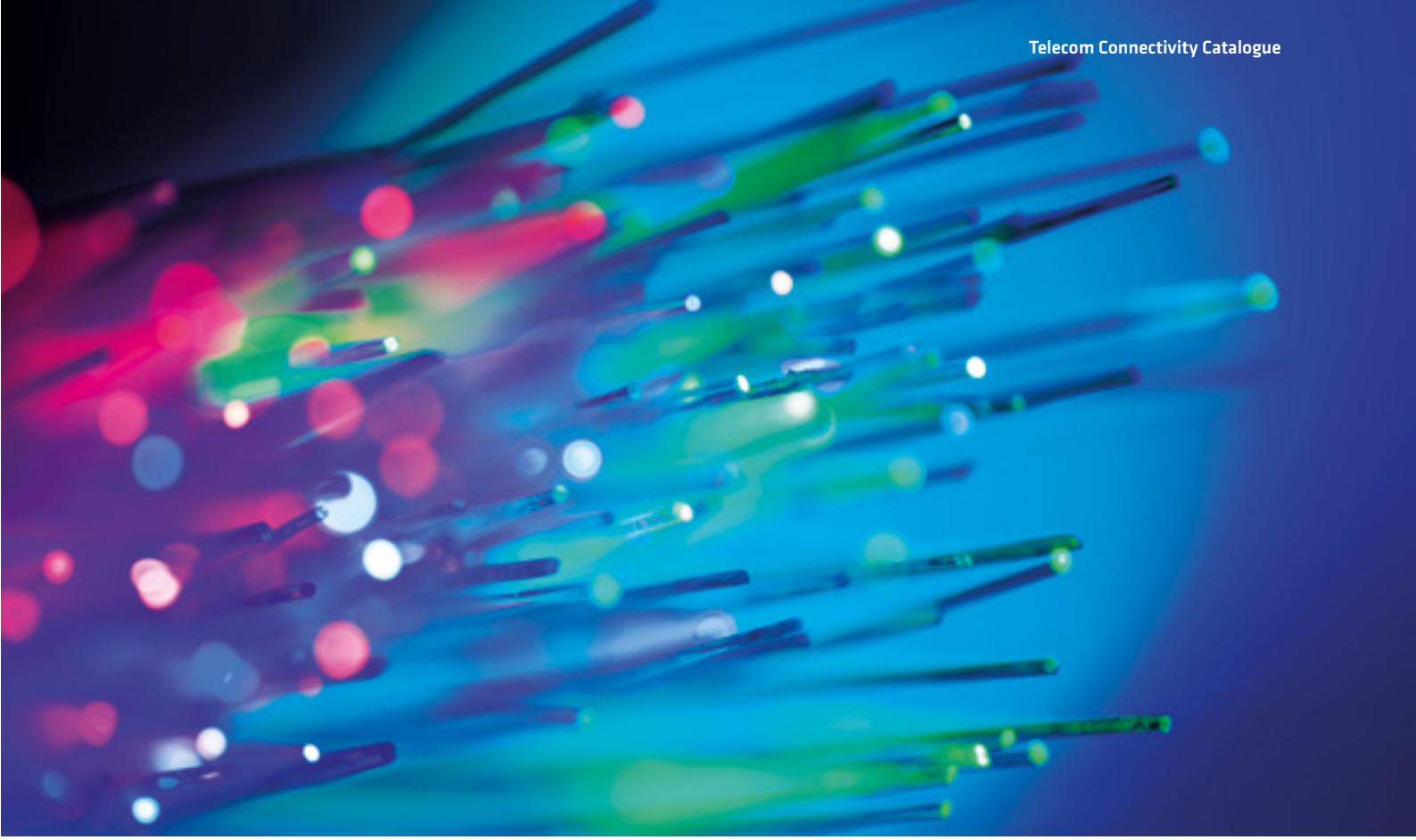
Features

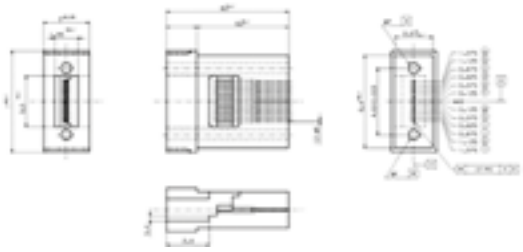
- High density
- Increased precision of fibre and guide pin hole sizes and location
- Consistent optical performance for multimode and single mode
- Extremely low hygroscopic material for exceptional environmental stability

Ferrule hole	Type	Hole diameter (mm)	Guide pin hole diameter (mm)	Eccentricity
2-fibre	MM standard	0.126+0.002/-0	0.700±0.001	< 0.0025
	SM standard	0.125+0.001/-0	0.700+0/-0.001	< 0.0014
4-fibre	MM standard	0.126+0.002/-0	0.700±0.001	< 0.0025
	MM low loss	0.126+0.001/-0	0.700±0.001	< 0.0014
	SM standard	0.125+0.001/-0	0.700+0/-0.001	< 0.0014
12-fibre	MM standard	0.126+0.002/-0	0.700±0.001	< 0.0025
	MM low loss	0.126+0.001/-0	0.700±0.001	< 0.0014
	SM standard	0.125+0.001/-0	0.700+0/-0.001	< 0.0014
	SM low loss	0.125+0.0005/-0	0.699+0.0005/-0	< 0.0007
24-fibre	MM standard	0.126+0.002/-0	0.700±0.001	< 0.0025
	MM low loss	0.126+0.001/-0	0.700±0.001	< 0.0014
	SM standard	0.125+0.001/-0	0.700+0/-0.001	< 0.0014
	SM low loss	0.125+0.0005/-0	0.699+0.0005/-0	< 0.0007

	Multimode MT ferrule		Single-mode MT ferrule
	Standard	Low loss	
Insertion loss	0.50 dB typical	0.20 dB typical	0.50 dB typical
	0.75 dB maximum 2, 3, 5	0.35 dB maximum 2, 3, 5	0.75 dB maximum 1, 5
Return loss	> 20 dB	> 20 dB	> 50 dB (8° angle polish)

Ferrule hole	Type	Hole diameter (mm)	Guide pin hole diameter (mm)	Eccentricity
16-fibre	32-fibre	0.127±0.001	0.55±0.001	< 0.0025
	MM low loss	0.1265±0.0005	0.55+0/-0.001	< 0.0014
	SM standard	0.1255+0.0005/±0	0.55+0/-0.001	< 0.0014
32-fibre	MM standard	0.127±0.001	0.55±0.001	< 0.0025





MPO Connector (Polarity reversible)

In a dense situation, the MPO connector can de-mate from the adapter by using MPO push-pull tab.

Features

- High density
- Increased precision of fibre and guide pin hole sizes and location
- Consistent optical performance for multimode and single mode
- Extremely low hygroscopic material for exceptional environmental stability

MPO Adapter

- Comes in black as standard
- For plastic or metal housing for die cast
- IEC 61754-7 and TIA/EIA 604-5 standards for MPO/MTP® interfaces
- Internal shutter is available
- Keyway available for key-up to key-up, or key-up to key-down

MPO Patchcord

Description

A patchcord is a length of cable with connectors on the ends, used to connect an end device to something else, such as a power source.

Our single and multimode multi-fibre patchcords are ideal for use in high-density backplane and printed circuit board (PCB) applications in a data and telecommunications system.

Offering up to 12 times the density of standard patchcords, providing significant space and cost savings.

Features

- Precision molded MT ferrule
- High precision guide pins and precise housing dimension fibre alignment when mating
- Compact design, up to 4 ,8, 12 or 24 fibres
- IEC 61754-7 compliant
- Telcordia GR-1435-CORE compliant

Applications

- Asynchronous Transfer Mode (ATM)
- Gigabit ethernet
- Active device/transceiver Interface
- CATV, video and multimedia
- Premise installations
- Telecommunication networks
- Parallel optical interconnect between PC cards and patch panels
- Interconnection for O/E modules
- Industrial and military
- Optical switch inter-frame connections

Type	Wavelength	I.L. Max	R.L. Min
MPO/PC (MM)	850nm/1300nm	0.6dB	25dB
MPO/PC (MMLow Loss)	850nm/1300nm	0.35dB	20dB
MPO/APC (SM)	1310nm/1550dB	0.75dB	60dB

Type A

A Fibre No.	Fibre Colour	B Fibre No.
1	Blue	1
2	Orange	2
3	Green	3
4	Brown	4
5	Gray	5
6	White	6
7	Red	7
8	Black	8
9	Yellow	9
10	Purple	10
11	Pink	11
12	Aqua	12

Polarity for 12 fibres

A Fibre No.	Fibre Colour	B Fibre No.
1	Blue	13
2	Orange	14
3	Green	15
4	Brown	16
5	Gray	17
6	White	18
7	Red	19
8	Black	20
9	Yellow	21
10	Purple	22
11	Pink	23
12	Aqua	24

A Fibre No.	Fibre Colour	B Fibre No.
13	Blue	1
14	Orange	2
15	Green	3
16	Brown	4
17	Gray	5
18	White	6
19	Red	7
20	Black	8
21	Yellow	9
22	Purple	10
23	Pink	11
24	Aqua	12

Polarity for 24 fibres

Type B

A Fibre No.	Fibre Colour	B Fibre No.
1	Blue	12
2	Orange	11
3	Green	10
4	Brown	9
5	Gray	8
6	White	7
7	Red	6
8	Black	5
9	Yellow	4
10	Purple	3
11	Pink	2
12	Aqua	1

Polarity for 12 fibres

A Fibre No.	Fibre Colour	B Fibre No.
1	Blue	12
2	Orange	11
3	Green	10
4	Brown	9
5	Gray	8
6	White	7
7	Red	6
8	Black	5
9	Yellow	4
10	Purple	3
11	Pink	2
12	Aqua	1

A Fibre No.	Fibre Colour	B Fibre No.
13	Blue	24
14	Orange	23
15	Green	22
16	Brown	21
17	Gray	20
18	White	19
19	Red	18
20	Black	17
21	Yellow	16
22	Purple	15
23	Pink	14
24	Aqua	13

Polarity for 24 fibres

Type C

A Fibre No.	Fibre Colour	B Fibre No.
1	Blue	2
2	Orange	1
3	Green	4
4	Brown	3
5	Gray	6
6	White	5
7	Red	8
8	Black	7
9	Yellow	10
10	Purple	9
11	Pink	12
12	Aqua	11

A Fibre No.	Fibre Colour	B Fibre No.
1	Blue	14
2	Orange	13
3	Green	16
4	Brown	15
5	Gray	18
6	White	17
7	Red	20
8	Black	19
9	Yellow	22
10	Purple	21
11	Pink	24
12	Aqua	23

A Fibre No.	Fibre Colour	B Fibre No.
13	Blue	2
14	Orange	1
15	Green	4
16	Brown	3
17	Gray	6
18	White	5
19	Red	8
20	Black	7
21	Yellow	10
22	Purple	9
23	Pink	12
24	Aqua	11

Get in touch

Whatever your needs, whatever your questions, and wherever you are in the world, we're here to provide you with the best possible solutions to your connectivity challenges.

Speak to a Prysmian expert today.
Call +39 02 6449 3500 or email telecom@prysmiangroup.com

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