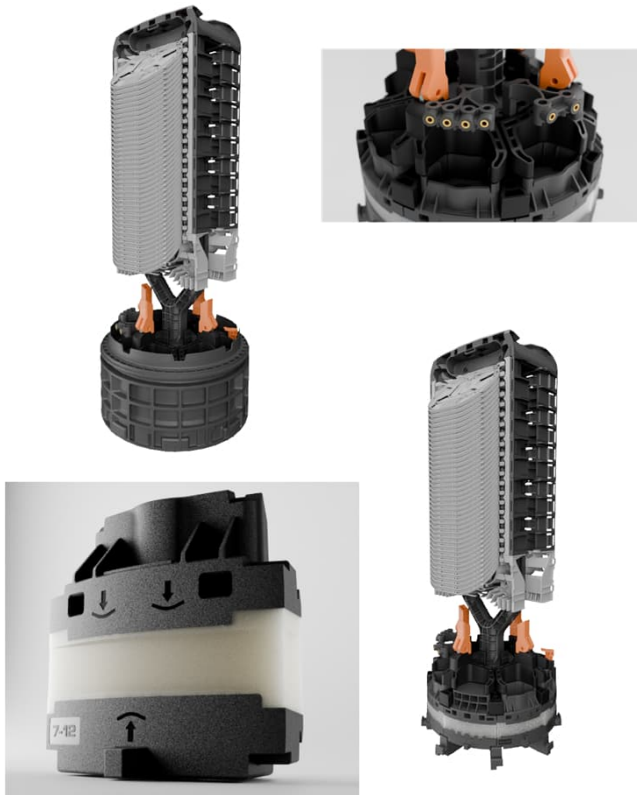




DESIGN & CONSTRUCTION

- A large closure for optical cable splicing with two vertical tray stacks.
- Maximum capacity is 1344 fibres using 12 fibre single element trays.
- Capacity can be increased to 2688 fibres using 24 fibre single element trays or 4032 fibres using 36 fibre single element trays.
- Eight entry positions where Gel modules can be inserted to seal around one or multiple cables
- Two input manifolds manage cable tubes to a common routing channel.
- Input manifolds enable fibres to be passed from stack to stack.
- Can accommodate a range of splitter modules from 1x2 to 2x64.
- The closure is sealed to IP68.

For installation instructions please scan the QR Code

PRODUCT DESCRIPTION

The Gel Sealing Closure is used for access applications within the external optical network and can be used for track, spur and loop applications. It can accommodate a wide variety of cables such as loose tube, central loose tube, Flex tube and blown fibre. The modular tray system is designed for positive fibre management for Single Circuit Management (SCM) and Single Element Management (SEM), and the splice trays can accommodate a variety of different types of splice protectors and splitters. The joint eight gel module positions. Gel Modules are used to seal around the cables. The Gel Modules can seal around one or multiple cables depending on the cable diameters being installed. The closure can be mounted using one of the mounting brackets available or directly buried.

Technical data

- Required space envelope (mm): (l) 560 x (d) 310 for LMJ Short Cap (l) 675 x (d) 310 for LMJ Medium Cap
(l) 800 x (d) 310 for LMJ Long Cap

- Capacity for Single Element Management (SEM) – 12f, 24f and 36f per tray

	LMJ Short Cap	LMJ Medium Cap	LMJ Long Cap
Maximum number of trays	48 trays (24 + 24)	80 trays (40 + 40)	112 trays (56 + 56)
Maximum splices	576f	960f	1344f
Using 24f splice tray	1152f	1920f	2688f
Using 36f splice tray	1728f	2880f	4032f

- Capacity for Single Circuit Management (SCM) – 4f per tray

	LMJ Short Cap	LMJ Medium Cap	LMJ Long Cap
Maximum number of trays	96 trays (48 + 48)	160 trays (80 + 80)	224 trays (112 + 112)
Maximum splices	384f	640f	896f

- Minimum Fibre Bend Radius (mm): 30
- Number of Cable Ports: 8
- Cable Diameter Range (mm): 4-28
- Cable Retention (N):
 - Circular Port: > Cable (Ø/45) x 500N with central strength member secured.
 - 4 Way Multi Way (in circular port): > 150N for cables with Aramid yarns, > 30N for cables without Aramid yarns
- Splitter capacity: See page 4
- Operating temperature: -20oC to + 60oC (5 to 95% RH)
- Material:-
 - Cap & Base: GF Polypropylene
 - Base ring: High Impact Polypropylene
 - Clamp: GF Nylon
 - Splice Trays: FR ABS
 - Testing:-
 - Closure Sealing: IP68 (5 metres) (IEC 61300-2-23)
 - Optical: Tested 1310nm, 1550nm, 1625nm
 - Change of Temperature: IEC 61300-2-22
 - Dry Heat: BS EN 60068-2-2 Test Bb
 - Damp Heat: IEC 60068-2-3: 1969
 - Vibration: IEC 61300-2-1
 - Shock: IEC61300-2-9
 - Torsion: IEC 61300-2-5
 - Bending: IEC 61300-2-37
 - Impact: IEC 61300-2-12
 - Drop: IEC60068-2-32
 - Cable Retention: IEC 61300-2-4
 - Crush Resistance: IEC 61300-2-10

Logistics (TBC)

Packing Dimensions (mm):

- (l) 570 x (d) 342 x (w) 302 Short Cap
- (l) 678 x (d) 342 x (w) 302 Medium Cap
- (l) 820 x (d) 342 x (w) 302 Long Cap

*Packed Weight (Kg):

- Short Cap: 7.0
- Medium Cap: 7.8
- Long Cap: 8.8

*Net Weight (Kg):

- Short Cap: 5.6
- Medium Cap: 6.5
- Long Cap: 7.3

* weights do not include trays or kits

Main characteristics

Kit Contents

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

The closure is supplied with 8 Gel modules, the Cable sealing modules can also be ordered separately

The closures can also be pre-configured by Prysmian. Using the configurations and part number creation tool shown below

Additional Items

- Cable sealing modules
- Splicing Modules
- Splitter Modules
- Splice Protectors
- Mounting Brackets

Part Numbers

The Gel Sealing Closure is supplied in three different sizes depending on the splice capacity required. The closure is supplied in various configuration. The closure has 8 positions for Gel Sealing modules to be inserted.



LMJ GEL CLOSURE CONFIGURATOR													
CLOSURE	CLOSURE SIZE	TRAY TYPE	GEL MODULES								VALVE TYPE	NUMBER OF PACKS OF 50 SPLICE PROTECTORS	SPLICE PROTECTOR TYPE
LGEL	S	H	X	X	X	X	X	X	X	X	V	15	C
LMJ GEL CLOSURE	SHORT	CRIMP	PORT 1	PORT 2	PORT 3	PORT 4	PORT 5	PORT 6	PORT 7	PORT 8	TEST VALVE	15 PACKS OF 50	CRIMP
Select Joint Size		Select Tray Type Side A	Select Gel Module. Up to 8 modules can be supplied with the closure.								Select Valve type	Select No of Splice Protector Packs between 0 and 85	Select Splice Protector type
S = Short 48 Tray M = Medium 80 Tray L = Long 112 Tray		X = None C = SC 4F 1.3 E = SE 12F 1.3 F = SE 24F 1.3 G = SE 36F 1.3 H = Crimp 12F J = SE 12F 2.2 K = SE 16F 2.2 L = Ribbon 4x12F M = Micromodule	X = Gel Module - Blank A = Gel Module - Single entry 12-16mm B = Gel Module - Single entry 16.1-20mm C =Gel Module - Single entry 20.1-24mm D = Gel Module - Single entry 24.1-28mm E = Gel Module - Dual Entry 7-12mm F = Gel Module - Quad Entry 4-8mm								X = NONE V = TEST VALVE P = PRV		A = 1.3 B = 2.2 C = CRIMP D = RIBBON X = NONE

Additional items

Gel Cable Sealing Modules

The closure can house up to eight modules. Dependant on the part number ordered the correct modules may already be included, if not then you can order additional modules as required to configure the closure for your application



Prysmian Part Number	Module type	Sealing type	Min Cable Ø	Max Cable Ø
TBC	Single	Gel	12.0	16
TBC	Single	Gel	16.1	20.0
TBC	Single	Gel	20.1	24.0
XJTSC04564	Single	Gel	24.1	28.0
XJTSC04565	Dual	Gel	7.0	12.0
XJTSC04566	Quad	Gel	4.0	8.0
XJTSC04567	Blank	Gel	-	-

Additional items

Splicing modules

Splicing modules are available to be installed into the LMJ. Single element (SE) modules for 12f, 24f and 36F per tray can be utilised using 1.3mm splice protectors. A 12f per tray module is also available for 2.2mm splice protectors. Single circuit modules have double the tray capacity in the same space envelope. This is achieved using a double splice tray where each tray unit incorporates a hinged second tray within the first tray. Each SC tray can accommodate 4 spliced fibres. 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.



Typical weight of a pack of trays 145g.

Prysmian Part No.	Tray Type	Splice protector	No. of trays	Fibers per tray	Fiber capacity	Tray positions used
XJTSC02144	SE 12 1.3 Grey	1.3mm x 30mm	4	12	48	4
XJTSC03127	SE 12 1.3 Blue	1.3mm x 30mm	4	12	48	4
XJTSC03129	SE 12 1.3 Green	1.3mm x 30mm	4	12	48	4
XJTSC03131	SE 12 1.3 Red	1.3mm x 30mm	4	12	48	4
XJTSC02262	SE 12 2.2 Grey	2.2mm x 45mm	4	12	48	4
XJTSC03126	SE 12 2.2 Blue	2.2mm x 45mm	4	12	48	4
XJTSC03128	SE 12 2.2 Green	2.2mm x 45mm	4	12	48	4
XJTSC03130	SE 12 2.2 Red	2.2mm x 45mm	4	12	48	4
XJTSC02468	SE Crimp Grey	Crimp	4	12	48	4
XJTSC03159	SE Crimp Blue	Crimp	4	12	48	4
XJTSC03161	SE Crimp Green	Crimp	4	12	48	4
XJTSC03160	SE Crimp Red	Crimp	4	12	48	4
XJTSC02145	SC 4 1.3 Grey*	1.3mm x 30mm	8	4	32	4
XJTSC02584	SE 16 2.2 Grey	2.2mm x 45mm	4	16	64	4
XJTSC02261	SE 24 1.3 Grey	1.3mm x 30mm	4	24	96	4
XJTSC02468	SE 36 1.3 Grey	1.3mm x 30mm	4	36	144	4
XJTSC03356	Micro module	2.2mm x 45mm	2	24	48	4
XJTSC03357	Splice and splitter**	2.2mm x 45mm	2	6	12	4

* Single circuit trays are double trays where each tray unit comprises of a splice tray with a hinged inner splice tray providing two trays in a single tray footprint, where each of the two trays can accommodate 4 splices.

** Splice and splitter trays have 6 splice positions and two splitter bay.

Additional items

Splitting modules

Splitter modules can be installed into the LMJ. The splitter modules are supplied with a splitter and the input fibre pre-installed into the bottom tray and the output fibres installed into a few trays above depending on the size of the splitter. The splitter input tray is coloured green. Standard splitters use G657A1 fibre. Refer to data sheet AC005 for splitter technical information.

Prysmian Part No.	Splitter Ratio	Tray Type	Input Tray	Output Trays	Spare Trays	Outputs per Tray	Splice Protector	Tray Positions Used
XJTSC02310	1 x 4	SE12	1	1	2	4	13m m x 30m m	4
XJTSC02311	1 x 4	SC*	1	1	4	4	13m m x 30m m	4
XJTSC02312	1 x 8	SE12	1	1	2	8	13m m x 30m m	4
XJTSC02313	1 x 8	SC*	1	2	4	4	13m m x 30m m	4
XJTSC02314	1 x 16	SE12	1	2	1	8	13m m x 30m m	4
XJTSC02315	1 x 16	SC*	1	4	2	4	13m m x 30m m	4
XJTSC02316	1 x 32	SE24	1	2	1	16	13m m x 30m m	4
XJTSC02317	1 x 32	SC*	1	8	6	4	13m m x 30m m	8

* Single circuit trays are double trays where each tray unit comprises of a splice tray with a hinged inner splice tray providing two trays in a single tray footprint, where each of the two trays can accommodate 4 splices. Other splitter modules are available including onto trays with 2.2m m splice protectors. Contact Prysmian for further information.

Item	Prysmian Part No.	Description	Image
WALL/POLE MOUNTING BRACKET	TBC	The Wall / Pole Mounting Bracket allows a Joint to be mounted vertically against a wall or a pole. The bracket is secured using either bolts or screws (provided).	
HANDLE KIT	XJTSC02548	The Handle Kit contains two handles and two long cable ties. The handles can be strapped to the LMJ cap to ease lifting in and out of the jointing pit.	

Additional items

Item	Prysmian Part No.	Description	Image
EXTERNAL TUBE FIXATION BRACKET - LGEL	TBC	The External tube fixation bracket is used to offer additional retention and support to cables and tubes entering the joint. The bracket fits the outside of the joint base and is made of Stainless Steel	
SPLITTERS	XSPSG00426 (1x4) XSPSG00432 (1x8) XSPSG00630 (1x16) XSPSG00413 (1x32)	A range of optical splitters are available to install into the joint. The splitters have 2 metre input and output legs with 250-micron G657A1 fibre. For full technical information on the splitters refer to data sheet AC005.	
SPLICE PROTECTORS 1.3	XKTSC01284 (Pack of 12) XPESC00057 (Pack of 50)	Splice protectors are used to protect the fibre splice. They are 1.3mm in diameter and 30mm in length.	
SPLICE PROTECTORS 2.2	XKTSC00050 (Pack of 12) XPESC00053 (Pack of 50)	Splice protectors are used to protect the fibre splice. They are 2.2mm in diameter and 45mm in length.	
SPLICE PROTECTORS CRIMP	XKTSC00079 (Pack of 12) XKTSC00078 (Pack of 50)	Splice protectors are used to protect the fibre splice. They are 1.3mm x 3.2mm and 30mm in length.	

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