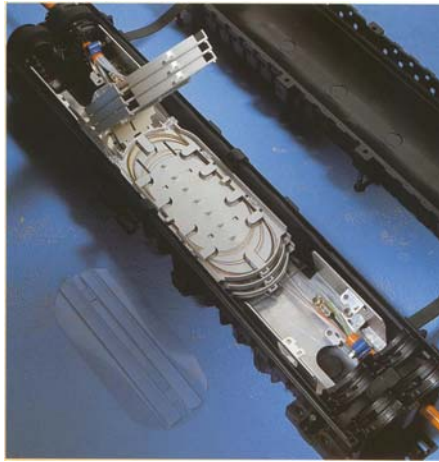# Ordering Guide of the In-Line Cold Applied Splice Closure (FOSC-500B)

This document provides assistance with the selection of FOSC-500B closures. It includes the following sections:

1 Product description

FOSC-500 products are in-line closures used in the outside plant network.
They will be available in different sizes and will typically be used as repair joints, in-line track joints and tap-off closures (separate basket).

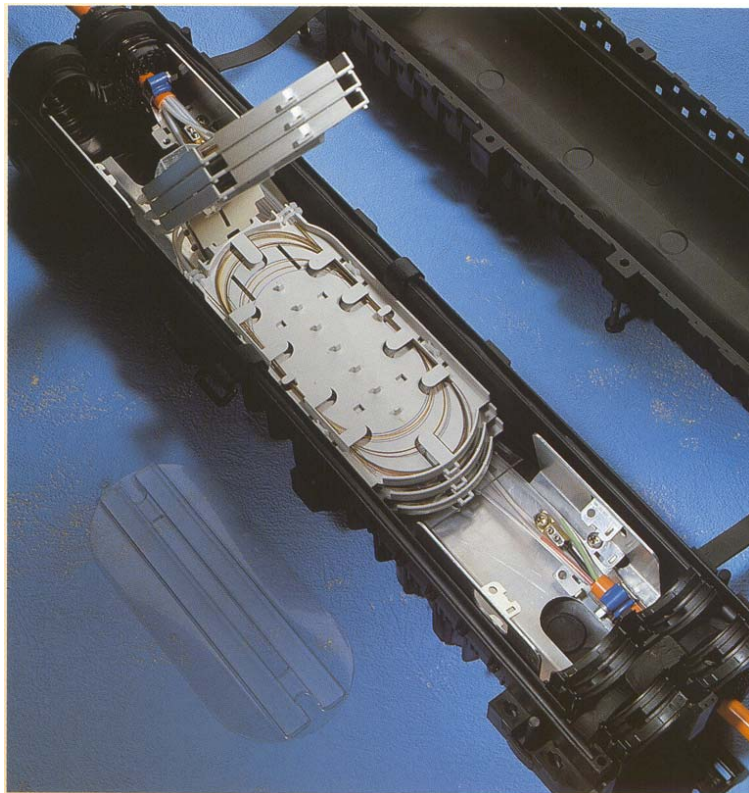The FOSC-500B is the first product of a complete family of in-line closures.

The FOSC-500B closures are based on a T²C central part and a basket housing FOSC trays and cable attachment units.
- – Sealing of the housing is done by an O-ring system
- – Cable sealing is accomplished by using geltape
- – Mechanical grip on each cable is provided by cut-to-length axial pull tape

The organizer tray can contain up to 24 single splices.
All organizer trays are hinged at one end so that any fiber can be accessed without disturbing fiber on other trays, kinking buffer tubes or introducing losses.
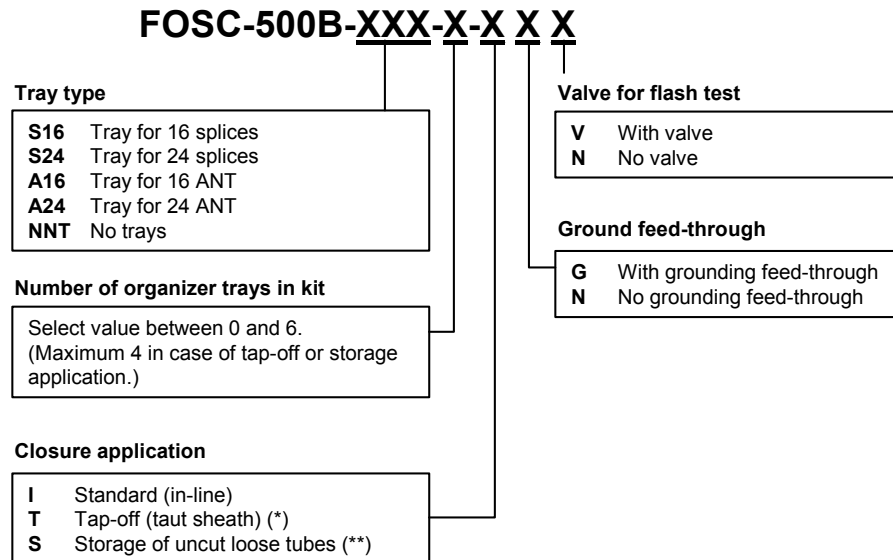All cable termination and sealing functions are provided with the closures.

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2 Ordering information

2.1 Closure alternatives

Different closure alternatives are available. Refer to section 3.0 for full product description.

FOSC-500B-<u>XXX</u>-<u>X</u>-<u>X</u> <u>X</u> <u>X</u>

Tray type

S16	Tray for 16 splices
S24	Tray for 24 splices
A16	Tray for 16 ANT
A24	Tray for 24 ANT
NNT	No trays

Number of organizer trays in kit

Select value between 0 and 6.
(Maximum 4 in case of tap-off or storage application.)

Closure application

I	Standard (in-line)
T	Tap-off (taut sheath) (*)
S	Storage of uncut loose tubes (**)

Valve for flash test

V	With valve
N	No valve

Ground feed-through

G	With grounding feed-through
N	No grounding feed-through

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Kit content
- A central part that is made of a thermoplastic material, ribbed for extra strength.
- A basket that includes one organizer tray with cover, a tray wedge and 2 cable attachment units
- Central part sealing that consists of an O-ring (pre-installed) and bolts
- Transportation tubes with tie wraps (part of tray kit)
- Gel sealing tape for cables
- Plugs (with pre-installed gel-sealing tape) for unused cable ports
- Axial pull tapes
- Cleaning tissue
- Measuring tape
- Gel profiles
- Installation instructions
- Silica gel bag

The basic closure contains cable attachment, gel-sealing tape and a roll axial pull tape for 2 cables (1 in -1 out). In case of a tap-off version, components are included for 3 cables (1 main in and out, 1 branch-off).

(*)   Branch-off on a straight cable. No cable slack on main cable. Mainly used for access in initially unplanned areas.

(**)   Storage of uncut loose tubes: in the application, a storage area is foreseen under the trays to store uncut loose tubes.

2.2 Accessories

2.2.1 Cable seal kits

Name	Qty/Pk	Description
FOSC-500B-CSEAL-01	1 pc	Re-entry kit for adding or replacing one (1) cable.
FOSC-500B-PLUG-01	1 pc	Plug and gel tape kit for 1 cable port.

2.2.2 Organizers

Organizer trays are normally ordered as part of the closure kit. If needed, trays can be ordered separately – see FOSC trays and baskets ordering guide for order references.

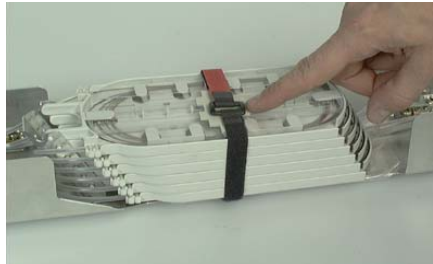# 3 Product guide

3.1 Closure description

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Body
The body consists of 2 hingeable parts (bottom and top), made from a thermoplastic material.

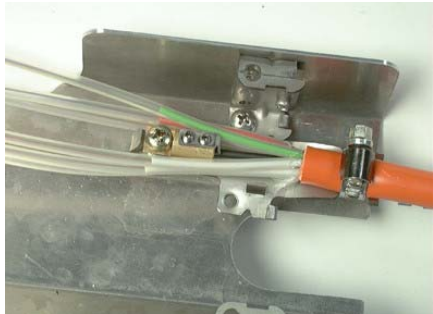DSC00029.JPG

Splicing area
A basket accepting FOSC A splicing trays has to be mounted in the bottom part of the closure.

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Cable attachment
A cable termination unit provides clamping of the cable and strength member attachment.

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Cable sealing
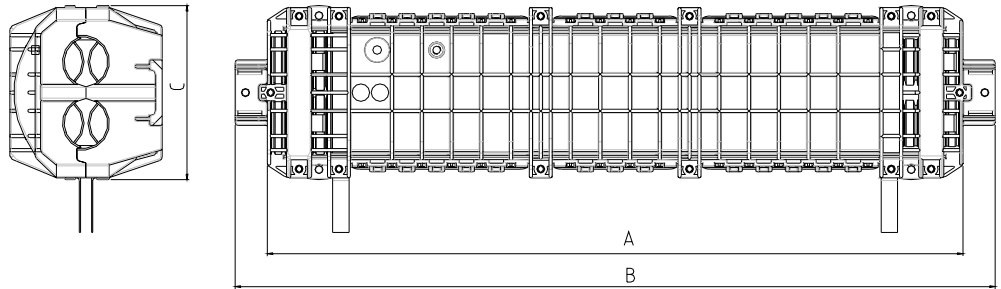Cable sealing is provide by a gel tape that is wrapped around the cable.

Closing/sealing mechanism
A longitudinal o-ring seals the bottom and top part of the closure, which are closed with nuts and bolts.

Ground feed-through
A grounding feed-through bolt can be pre-mounted in the base.

3.2 Closure dimensions and capacities

Dimensions in mm	FOSC-500B
Total closure length (without fixation parts)	636
Total closure length (with fixation parts)	695
Internal diameter	100
External width	160
Cable range ports diameter	7-40
Number of cable ports	2 + 4
Maximum splice capacity	144 [*]
Maximum number of FOSC A trays	6

(*) in case the 'S24' tray is used, SMOUV-1120-02 (45mm long) must be used.

3.3 Closure accessories

3.3.1 Cable seal kits

Re-entry kit for adding or replacing 1 cable
FOSC-500B-CSeal-01
Kit content:
- gel-sealing tape
- axial pull tape
- measuring tape
- cable attachment unit

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Plug
FOSC-500B-PLUG-01
Plug and gel tape kit for 1 cable port.