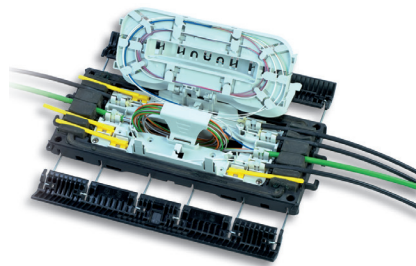# Splice Closures In-Line (SCIL)

In-line fiber optic splice closures for FTTX networks
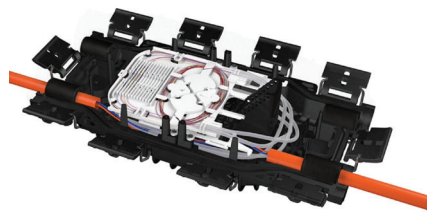
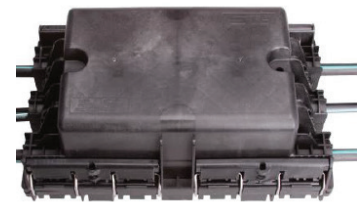# Splice Closures In-Line (SCIL)

Maximizing fiber coverage and capacity is key to your ability to deliver services to your customers, quickly and efficiently. The in-line splice closure is deployed at key splice points in the FTTX distribution and access network. Because the closure is spliced in-line with the network feeder cable, it is suitable for many locations – in hand holes below ground, on the side of a building, or hung on a strand between poles. Besides protection, these closures are easy to install and maintain. They facilitate quick access to the fiber splices and support a wide range of cables. This combination of strengths make the SCIL (Splice Closure In-Line) excel in facade, branch off, network expansion, and repair applications.

SCIL-A

SCIL-B

SCIL-C

KEY FEATURES AND BENEFITS

Rugged Environmental Protection

· Superior gel sealing technology that seals a wide range of cable sizes to prevent water and contaminant ingress

· IP68 rated

· Air valve and grounding options available

Secure Cable Entry and Sealing

· Gel wrap and multi-port cable seals adjusts to most cable size and irregularities

· Cable termination and retention system fits any cable type from traditional loose tube buffered to small micro-sheath cables

· Eliminates risk of cable damage

· Maximum number of cables supported from 10 (SCIL-A) to 24 (SCIL-B)

Proven Fiber Splice Management

· Leverages proven FOSC® fiber management system, with multiple splice tray options

· Fiber splice capacity from 48 (SCIL-A) to 288 (SCIL-C)

· Storage baskets for looped fiber cable

Quick and Easy Access

· Closure opens and closes with side latches for quick re-entry

· Removeable cover allows unrestricted access to cable termination and splice area for easier installations

· No special tools required

Splice Closures In-Line (SCIL) Comparison Table

	SCIL-A	SCIL-B	SCIL-C
Recommended applications			
Below grade	Yes	Yes	Yes
Pedestal	Yes	–	–
Facade	Yes	Yes	Yes
Pole	–	Yes	Yes
Aerial	–	Yes	Yes
Fiber splicing			
# of splices	48	96 / 144	144 / 288
Splice trays	2 x (24 splices)	4 x (24 splices) 8 x (12 splices) 3 x (48 splices)	6 x (24 splices) 6 x (48 splices)
Fiber type	G.657 series	G.652D and G.657 series	
Cables			
Port layout	Drop 1, Drop 2, Feeder in, Drop 3, Drop 4 — SCIL-A — Drop 5, Drop 6, Feeder out, Drop 7, Drop 8	Multi-port 1, Multi-port 2 — SCIL-B — Multi-port 3, Multi-port 4	Port 1, Port 2, Port 3 — SCIL-C — Port 4, Port 5, Port 6
Cable entry ports	2 x feeder, 8 x drop	4	6
Cable diameter	6 - 11 mm (2 x feeder) 4 - 7.5 mm (8 x drop)	8-22mm	7-23mm
Multi-port	N/A	6 x (4.5-8.1 mm, flat) 6 x (0-5 mm, round) 4 x (7-9 mm, round) 2 x (8-12 mm, round) 1 x (8-22 mm, round)	N/A
Size			
L x W x H	250 x 100 x 70 mm	369 x 182 x 106 mm	350 x 216 x 140 mm
Volume	1.4 liters	7.1 liters	10.6 liters

SCIL-A Ordering information

$$SCIL-A-\underset{\underline{\quad}}{\overset{1}{\quad}}$$

Tray type

1	S24	Splice tray for 24 splices
	S48	Splice tray for 48 splices

SMOUV splice protectors included

Accessories

SCIL-A accessories	
SCIL-A-MOBRA-01	Wall mounting bracket
SCIL-A-KTU(100)	Kit of 100 cable termination devices

SCIL-B Ordering information

SCIL-B-___-1-S_-__
 1 2   3 4 5

Tray type

1	12	Thin tray for 12 fusion splice protectors in single layer, lower style
	24	For 24 fusion splice protectors stacked in dual layer, lower style
	12A	For 12 fusion splices or mechanical splice protectors in single layer, side hinge
	24A	For 24 fusion splice in single layer, side hinge
	48	For 48 fusion splice protectors stacked in dual layer, side hinge

SMOUV splice protectors included

Number of trays

2	1	Up to 4 trays are supported for type 24 trays, 8 trays for type 12 trays, and 3 trays for types 12A, 24A, and 48 trays.
		Can be ordered with 1 pre-installed tray only. Additional trays must be ordered separately (see accessories section).

Cable attachment

3	2	2 cable attachments
	4	4 cable attachments

Grounding

4	G	Grounding
	N	No grounding

Valve

5	V	Air valve
	N	No valve

SCIL-B for ribbon cables

SCIL-B-RB-24R-1-_-__
 1 2 3 4

Number of trays

1	1	Up to 4 trays are supported, but can be ordered with 1 pre-installed tray (type 24R) only. Additional trays must be ordered separately (see accessories).

Cable attachment

2	2	2 cable attachments
	4	4 cable attachments

Grounding

3	G	Grounding
	N	No grounding

Valve

4	V	Air valve
	N	No valve

Accessories

Part number	Description
Trays	
SCIL-B-TRAY-12-KIT-S	Thin tray for 12 fusion splice protectors in single layer, lower style, includes SMOUV protector
SCIL-B-TRAY-24-KIT-S	For 24 fusion splice protectors stacked in dual layer, lower style, includes SMOUV protector
SCIL-B-TRAY-12A-KIT-S	For 12 fusion splices or mechanical splice protectors in single layer, side hinge, includes SMOUV protector
SCIL-B-TRAY-24A-KIT-S	For 24 fusion splice in single layer, side hinge, includes SMOUV protector
SCIL-B-TRAY-48-KIT-S	For 48 fusion splice protectors stacked in dual layer, side hinge, includes SMOUV protector
SCIL-B-TRAY-24R-KIT	For 4 ribbon splices
Mounting brackets	
SCIL-B-WALL-BRACKET	Wall mounting bracket
SCIL-B-POLE-BRACKET	Pole mounting bracket
SCIL-B-STRAND-BRACKET	Strand mounting bracket
Cable entry kits	
SCIL-B-MLT-KIT-6	6-out multiport bracket, foam strip, saddle seat, dummy rod, tie wraps and, cleaning tissue
SCIL-B-MLT-KIT-4	4-out multiport bracket, screws, hose clamp, ring tree, gel donut, dummy rod, UV resistant tie wraps and cleaning tissue
SCIL-B-MLT-KIT-2	2-out multiport bracket, screws, gel donut, dummy rods, blocking ring, tie wraps, cleaning tissue
SCIL-B-MLT-KIT-6-Flat	6-out multiport bracket for flat cables, drop cable seal, strain relief bracket
SCIL-B-DROP-KIT-1	1-out bracket, hose clamp, cable bracket, gel tape, transportation tube, UV resistant tie wraps and cleaning tissue

SCIL-C Ordering information

$$\text{S C I L - C - } \underset{1}{\_\_} \text{ - 1 - S } \underset{2}{\_} \text{ - } \underset{4\ 5}{\_\_}$$

(positions labeled 1, 2, 3, 4, 5)

Tray type

1	24	24 fusion splice protectors stacked in single layer
	36	36 fusion splice protectors stacked in dual layer
	48	48 fusion splice protectors stacked in dual layer

SMOUV splice protectors included

Number of trays

| 2 | 1 | Up to 6 trays are supported, but can be ordered with 1 pre-installed tray only. Additional trays must be ordered separately (see accessories). |

Cable attachment

		Number of cable attachments	
		10-16 mm diameter cables	7-12 mm diameter cables
3	0	0	6
	1	1	5
	2	2	4
	3	3	3
	4	4	2
	5	5	1
	6	6	0
	F	Floating with gel tape	

Grounding

| 4 | G | Grounding |
| | N | No grounding |

Valve

| 5 | V | Air valve |
| | N | No valve |

Accessories

Part number	Description
Trays	
SCIL-C-TRAY-24-KIT-S	For 24 fusion splice protectors stacked in single layer, includes SMOUV protector
SCIL-C-TRAY-36-KIT-S	For 36 fusion splice protectors stacked in dual layer, includes SMOUV protector
SCIL-C-TRAY-48-KIT-S	For 48 fusion splice protectors stacked in dual layer, includes SMOUV protector
Mounting brackets	
SCIL-C-WALL-BRACKET	Wall mounting bracket
SCIL-C-POLE-BRACKET	Pole mounting bracket
SCIL-C-BRACKET-HANGER-CATV	Hanger bracket for CATV
SCIL-C-BRACKET-HANGER-KT	Hanger bracket for KT
SCIL-C-BRACKET-HANGER-ASM	Hanger bracket for ASM
Cable entry kits	
SCIL-C-DROP-KIT-10/16	1-out bracket, hose clamp, cable bracket, gel tape, transportation tube, UV resistant tie wraps and cleaning tissue.
SCIL-C-DROP-KIT-7/12	1-out bracket, hose clamp, cable bracket, gel tape, transportation tube, UV resistant tie wraps and cleaning tissue.

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