

OPTICAL RIBBON CLOSURES (ORC)



STL's latest range of Optical Ribbon Closures (ORC2) have been designed especially for the management and splicing of Intermittently Bonded Ribbon (IBR) cables.

The OPTO-ORC2 splice closure system and the compact OPTO-CORC2 are rated to IP68 and are UV resistant, making them suitable for all external locations including underground chambers and pole mounted aerial applications.

The cable sealing utilises the existing ODC / CODC range of mechanical cable seals and also the complete range of Splice Assembly Module kits for ribbon and individual fibre splicing along with integration of passive optic components.

APPLICATION

- Trunk closures, branch joints and pot-head.
- Cables junctions in outdoor networks:
 - aerial networks, pole, wall
 - underground networks, inside handholes/manholes

FEATURES

- Basic closures kit, dome clamp and technical rubber O-ring sealing.
- IP68 IK10 UV resistant closures.
- IBR (Intermittent Bonded Ribbon) cable management.
- The closure dome is sealed via a mechanical clamp to provide easy access.
- Area dedicated to uncut fibres and mid-span cables.
- Internal Mounting System can be configurable with SAMX-HD modules.
- Cable ports support individual or multiple cables with mechanical sealing
- Closures are equipped with an RFID system.
- Easy access to the installation instruction with just a scan of a QR code

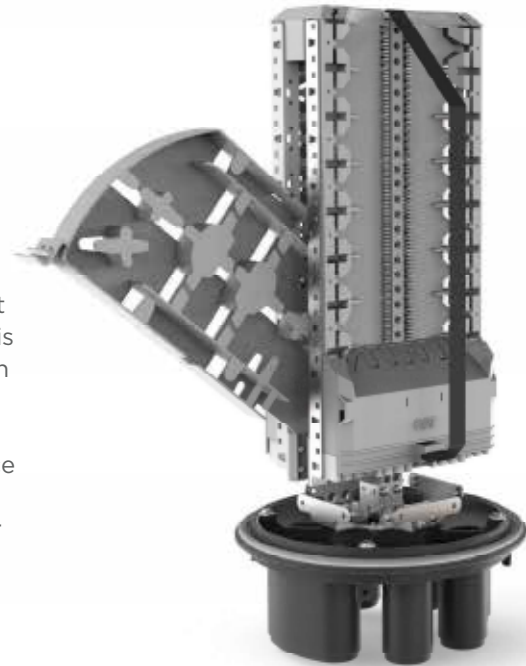
OPTO-ORC2

OPTO-ORC2-AB

OPTO-ORC2-AB closure has an innovative loop storage basket, designed for the Intermittently Bonded Ribbons (IBR). The basket ensures optimal storage and management of the midspan ribbon bundles and dark ribbon bundles. This closure is easy to install in the toughest of the locations with the new cold sealing kits ideal for IBR cables.

The OPTO-ORC2-AB stack is used to attach SAMX-HD splice cassettes which also provide routing guidance and protection for ribbon bundles from the closure base to their allocated trays.

The cold sealing kits used for port access provide a quick and efficient method of cable installation.



OPTO-ORC2-AB CLOSURE

- 1 **VERSION B DOME**
ORC2 dimensions including B dome
H 525 mm Ø 247mm
- 2 **CLAMP**
ORC2 locking system Ø 285 mm
- 3 **IBR LOOP STORAGE BASKET**
Maximum capacity 432F - with max length of 300cm
- 4 **VERSION A BASE**
Ø 247 mm - 1 OVAL PORT, 6 ROUND
- 5 **STACK**
Backplane for SAMX-HD Splice Tray
Modules, 7 per side for a total of 14 modules

**For cable input and output management, choose the STL "ODCKIT" sealing KIT*

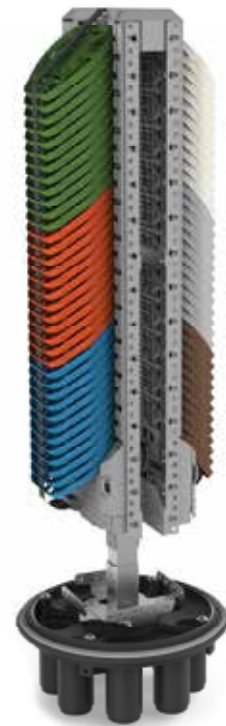
REFERENCE PN	DESCRIPTION
OPTO-ORC2-AB	SPLICING CLOSURE for IBR CABLES with BASE A and DOME B

OPTO-ORC2

OPTO-ORC2-AC TRUNK CLOSURE

ORC2 closures are designed to manage IBR ribbons feeder cables in conjunction with SAMX-HD ribbon cassettes.

It is the perfect solution for trunk splicing up to 1728 fo IBR cables.



OPTO-ORC2-AC CLOSURE

- 1 **VERSION C DOME**
ORC2 dimensions including c dome
H 770 mm Ø 247mm
- 2 **CLAMP**
ORC2 locking system Ø 285 mm
- 3 **HDST3-2R**
Maximum capacity 1728F
- 4 **VERSION A BASE**
Ø 247 mm - 1 OVAL PORT, 6 ROUND
- 5 **STACK**
Backplane for SAMX-HD Splice Tray
Modules, 12 per side for a total of 24 modules

**For cable input and output management, choose the STL "ODCKIT" sealing KIT*

REFERENCE PN	DESCRIPTION
OPTO-ORC2-AC	SPLICING CLOSURE for IBR CABLES with BASE A and DOME C

OPTO-CORC2

OPTO-CORC2-AB
OPTO-CORC2X-AB

OPTO-CORC2 is a compact low profile splice closure designed to maximise storage within space constrained locations.

OPTO CORC2-AB is dedicated to trunk joints (up to 432 fo) while OPTO CORC2X-AB is suitable for branching installations (up to 360 fo).

Similar to CODC2 loose tube family it makes for easy installation and maintenance. The CORC closure also contains a rear storage area for the management of IBR fibre bundles.



OPTO-CORC2-AB CLOSURE

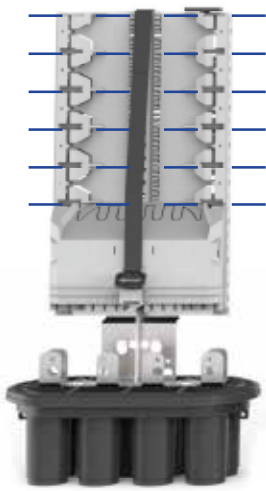
- 1 **VERSION B DOME**
CORC2 dimensions including B dome
H 450 mm
- 2 **CLAMP**
CORC2 locking system
- 3 **IBR LOOP STORAGE BASKET**
Maximum capacity 432F with max. length
of 250cm
- 4 **VERSION A OVAL BASE**
W270mm D150 mm - 1 OVAL PORT, 6
ROUND
- 5 **STACK**
Backplane for SAMX-HD Splice Tray
Modules, CORC2-AB 6 modules one side only,
CORC2X-AB, 5 modules one side only

**For cable input and output management, choose the STL "ODCKIT" sealing KIT*

REFERENCE PN	DESCRIPTION
OPTO-CORC2-AB	SPLICING CLOSURE for IBR CABLES with BASE A, DOME B and a small mixer
OPTO-CORC2X-AB	SPLICING CLOSURE for IBR CABLES with BASE A and DOME B

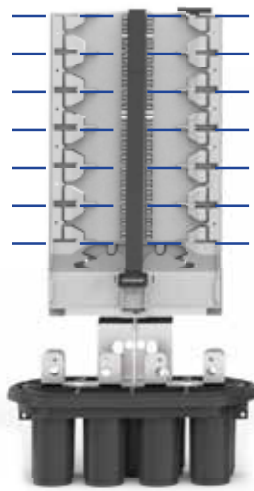
OPTO-ORC2 OPTO-CORC2

Configuration with SAMX



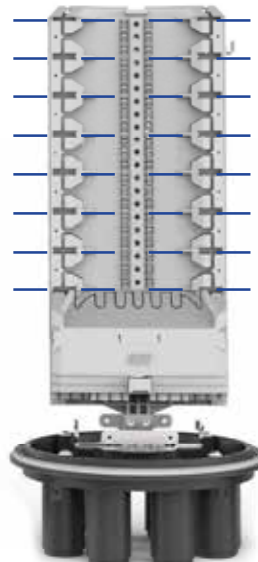
OPTO-CORC2X-AB

5 SAMX
(One side only)



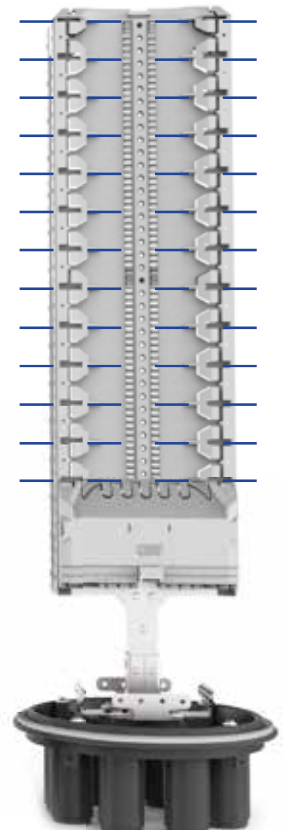
OPTO-CORC2-AB

6 SAMX
(One side only)



OPTO-ORC2-AB

7 SAMX
Per Side (X2)



OPTO-ORC2-AC

12 SAMX
Per Side (X2)



SAMX MODULES

OPTO-ORC2 AB-AC
OPTO-CORC2-CORC2X-AB



Optotec splice modules are essential elements on which our fibre optic closures product range is based. These products offer a fibre management system characterized by simplicity, accessibility and reliability.

The splice modules, contain a variable number of cassettes whose capacity are determined by the splice holders contained therein. STL range of single fibre splice modules are the most flexible solution for every network design and installation. For the identification purpose, IBR cassettes can be supplied in different colours according to the fibre bundled binder.

R/R: Double density IBR splice solution

- Ideal where IBR reaches the access network.
- 1 IBR/Element per tray for unambiguous binder identification.
- Same thickness as SE single element trays (8mm).

2R and 3R: High capacity IBR-IBR “Splice and Forget” cassettes

- 2x IBR Splices per SE cassette available.
- 3x IBR per SE splice cassette for high density closures.



REFERENCE PN	DESCRIPTION
SAMX-HD3-R/R	Splice module made up of a WAPX and 3 HD trays with IBR splice holder (1 IBR per tray) max capacity (12)x6=72
SAMX-HD3-2R	Splice module made up of a WAPX and 3 HD trays with IBR splice holder (2 IBR per tray) max capacity (12+12)x3=72
SAMX-HD3-3R	Splice module made up of a WAPX and 3 HD trays with IBR splice holder (3 IBR per tray) max capacity (12+12+12)x3=108



ORC2

BASE A

Splice modules types and features



					DOME B		DOME C	
	TRAYS TYPE	TOT. NUM. OF TRAYS FOR EACH	NUM. OF SPLICES PER TRAY	TRAY WITH SPLICES TYPE:	TOTAL NUMBER OF TRAYS	MAXIMUM SPLICE CAPACITY	TOTAL NUMBER OF TRAYS	MAXIMUM SPLICE CAPACITY
SAMX R/R	HD	3	2	H=Heat Shrinkable Splice Protector	84	1008	144	1728
SAMX 2R	HD	3	2		42	1008	72	1728
SAMX 3R	HD	3	3		42	1512		

CORC2

BASE A - DOME B

Splice modules types and features



					CORC2		CORC2X	
	TRAYS TYPE	TOT. NUM. OF TRAYS FOR EACH	NUM. OF SPLICES PER TRAY	TRAY WITH SPLICES TYPE:	TOTAL NUMBER OF TRAYS	MAXIMUM SPLICE CAPACITY	TOTAL NUMBER OF TRAYS	MAXIMUM SPLICE CAPACITY
SAMX R/R	HD	3	2	H=Heat Shrinkable Splice Protector	30	360	36	432
SAMX 2R	HD	3	2		15	360	18	432
SAMX 3R	HD	3	3		15	540	18	648

SEALING CCSR - CCSO

COLD SEALING

KIT CODE AND PICTURE	SEALING TYPE	CABLE MANAGEMENT CAPACITY		USE ON BASE TYPE	
		N° MAX CABLES	CABLE Ø RANGE MIN-MAX	ORC2 	CORC2 
ODCKIT-CCSO-2x20 	OVAL COLD SEALING	2	15 - 20 mm	yes 1 KIT maximum	yes 1 KIT maximum
ODCKIT-CCSO-2x14 	OVAL COLD SEALING	2	10 - 14 mm	yes 1 KIT maximum	yes 1 KIT maximum
ODCKIT-CCSO-4x10 	OVAL COLD SEALING	4	5 - 10 mm	yes maximum 1 KIT	yes 1 KIT maximum
ORCKIT-CCSR-1x20R 	ROUND COLD SEALING	1	15 - 20 mm	yes 6 KIT maximum	yes 6 KIT maximum
ORCKIT-CCSR-1x14R 	ROUND COLD SEALING	1	10 - 14 mm	yes 6 KIT maximum	yes 6 KIT maximum
ORCKIT-CCSR-2x12R 	ROUND COLD SEALING	2	8 - 12 mm	yes 6 KIT maximum	yes 6 KIT maximum

*Ribbon cable kits can also be used for loose tube cables.

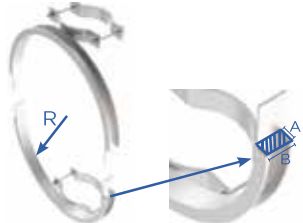


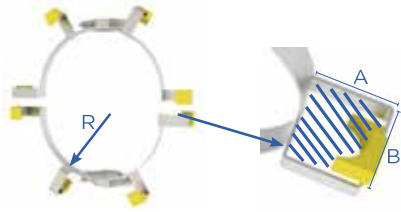

ODCKIT-

CLOSURE MOUNTING AND ACCESSORIES FOR CABLE FIXING

KIT CODE AND PICTURE	KIT FEATURES	USE ON CLOSURES TYPE:	
		CORC2 	ORC2 
ODCKIT-WMB 	WALL MOUNTING BRACKET	NO	YES
CODCKIT-WMB 	WALL MOUNTING COMPACT BRACKET	YES	NO
ODCKIT-PMK 	POLE MOUNTING BRACKET MATCH THIS ITEM TO OPTOTEC-ODCKIT-WMB OPTOTEC-CODCKIT-WMB	YES	YES
CODCKIT-CFP 	Tubes or Cable fixing bracket for better management of closures with multiple drops MATCH THIS ITEM TO OPTOTEC-ODCKIT-WMB OPTOTEC-CODCKIT-WMB	YES	YES
ODCKIT-PHMK 	POT-HEAD MOUNTING BRACKET FOR ODC CLOSURES	NO	YES
ODCKIT-WMB TT 	TRANSMISSION TOWER MOUNTING BRACKET	NO	YES
CODCKIT-WMB TT 	TRANSMISSION TOWER MOUNTING COMPACT BRACKET	YES	NO

ODCKIT

FOR CABLES FIXING

KIT CODE AND PICTURE	KIT FEATURES	USE ON CLOSURES TYPE:	
		CORC2	ORC2
POLE MOUNTING SLACK STORAGE TYPE 01 	EXTRA LENGTH AERIAL CABLES FIXING R 30 cm Storage capacity A 2 cm B 3,8 cm	 YES	 YES
POLE MOUNTING SLACK STORAGE TYPE 02 	EXTRA LENGTH AERIAL CABLES FIXING R 30 cm Storage capacity A 10,5 cm B 10 cm	YES	YES
CODCKIT-SGBP 	ANTI-HUNTING PROTECTION FOR POLE MOUNTING CODC CLOSURE	YES	NO



About STL - Sterlite Technologies Ltd

STL is one of the industry's leading integrators of digital networks

providing All-in 5G solutions. Our capabilities across optical networking, services, software, and wireless connectivity place us amongst the top optical players in the world. These capabilities are built on converged architectures helping telcos, cloud companies, citizen networks, and large enterprises deliver next-gen experiences to their customers. STL partners with service providers globally in achieving a green and sustainable digital future in alignment with UN SDG goals.

STL has a strong global presence in India, Italy, the UK, the US, China, and Brazil.

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