

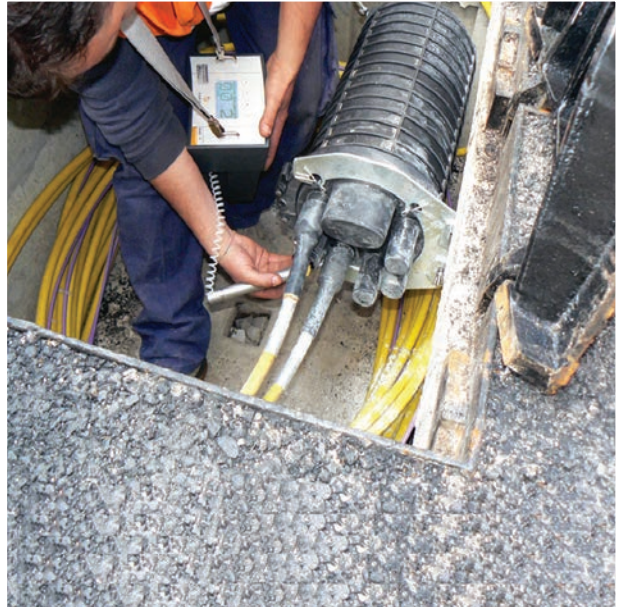


INSTALLATIONS ON SITE OF OUR CLOSURES

FIBERS SPLICING



HANDHOLE



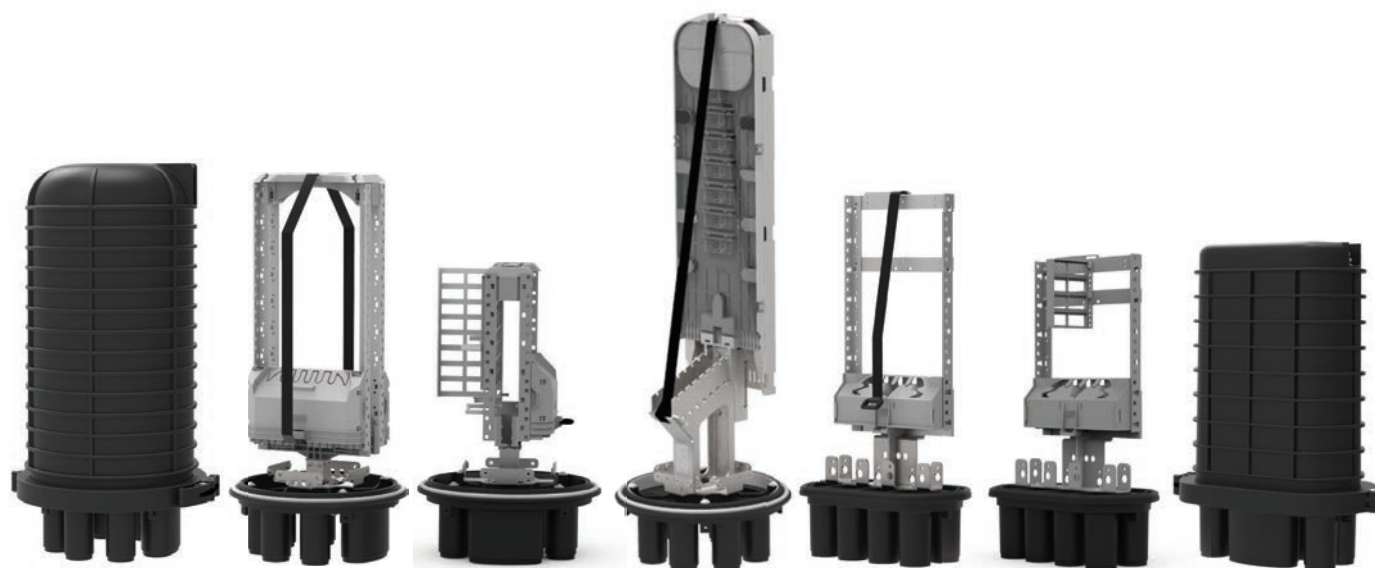
UNDERGROUND



POLE



PATCH AND SPLICE CLOSURES



Optotec has a wide range of closures matching every needs in telecommunications networks. They are watertight containers (IP68, IEC 529) able to join and terminate traditional cables and micro-cables with G652 and G657 fibers, used for underground networks, in handholes, manholes and for aerial, wall or pole applications. These types of closures consist of a BASE and a DOME, available in different configurations and customizable according to clients' specific needs.

The locking happens through the CLAMP and the appropriate silicone gasket that guarantees the seal. The BASE, available in various configurations, is able to manage uncut and cut cables; the stack aimed to contain the FOCUS SAM HD or SAMX modules for the fibers' storage and junction is mounted on it. All Optotec's closures can be equipped with an RFID system.

APPLICATION

For in line closures, branch joints and pot-head

Cables junctions in outdoor networks:
aerial networks, pole, wall
underground networks, inside handholes / manholes

TECHNICAL FEATURES

High quality thermoplastic material - watertight BASE and DOME (IP68, IEC 529) with clamp and O-ring system

Management Capability of various types of tube cables, slotted core and ribbon

Easy access to the junction area through CLAMP opening equipped with a guided locking

Area dedicated to uncut fibres or continuous cables (loop cable)

Internal STACK can be configurable with FOCUS SAM HD or SAMX modules or MST trays according to the junction's purposes

The BASE is suitable both the heat-shrinking sealingkit and cold sealing kit (BASE A and BASE C)

TO FIGURE OUT OPTOTEC'S CLOSURES

- | | | |
|------------|---------|---------|
| 1 STACK | 3 MIXER | 5 BASE |
| 2 MST TRAY | 4 DOME | 6 CLAMP |



www.optotec.com

CON CX CP OSP CO FOCUS

All the information included in this document, including drawings, illustration and patterns have to be considered reliable; they are registered and owned by Optotec S.p.A, therefore it is strictly forbidden to use them without our previous authorization. However, Optotec makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Optotec's obligations shall only be as set forth in Optotec's Standard Terms and Conditions of Sale for this product and in no case will Optotec be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Optotec products should make their own evaluation to determine the suitability of each such product for the specific application.
Optotec S.p.A. Via Zenale, 44 20024 Garbagnate Milanese (MI) - Italy P.IVA 10730100152 | Telephone: +39 02 99515.1 | FAX: +39 02 99515.222 | info@optotec.it

ODC2 SPLICE ONLY CLOSURE

FOCUS ODC2 are externally made of a BASE and a DOME, both available in 3 sizes A and B; they can be switchable among them. The BASE is supplied with a STACK on which it is possible to mount the junction modules of the FOCUS SAMX series. Thanks to this versatility, it is possible to create different combinations according to customers' needs. The internal space of the junction modules fixing STACK can be used as a storage for the loop cables, containing the optical fibers not involved in the junction.



FOCUS ODC2 CLOSURES

B DOME VERSION

ODC DIMENSIONS INCLUDING B DOME
H 525 mm Ø 247 mm

A DOME VERSION

ODC DIMENSIONS INCLUDING A DOME
H 390 mm Ø 247 mm

CLAMP

ODC2 LOCKING CLIP
Ø 285 mm

A BASE - Ø 247 mm

1 OVAL PORT (14 ~ 25)
6 ROUND (8 ~ 28)
FOR FOCUS ODCKIT*
COLD AND HEATH PORT

B BASE - Ø 247 mm

1 OVAL PORT (14 ~ 25)
6 ROUND (6 ~ 20)
6 ROUND (6 ~ 14)
FOR FOCUS ODCKIT*
HEATH PORT

C BASE - Ø 247 mm

2 OVAL PORT (14 ~ 25)
8 ROUND (8 ~ 28)
FOR FOCUS ODCKIT*
COLD AND HEATH PORT

STACK

FOR MODULES FIXING



For managing in and out cables, choose Optotec sealing kits; FOCUS ODCKIT for heath or cold management, heath-shrinkable

| REFERENCE PN | DESCRIPTION |
|---------------|---|
| FOCUS-ODC2-AA | SPLICING closure with 1 oval & 6 round ports base (Total height = 390 mm) |
| FOCUS-ODC2-AB | SPLICING closure with 1 oval & 6 round ports base (Total height = 525 mm) |
| FOCUS-ODC2-BA | SPLICING closure with 1 oval & 18 round ports base (Total height = 390 mm) – unmixable with cold round sealing A base |
| FOCUS-ODC2-BB | SPLICING closure with 1 oval & 18 round ports base (Total height = 525 mm) - unmixable with cold round sealing A base |
| FOCUS-ODC2-CB | SPLICING closure with 2 oval & 8 round ports base (Total height = 525 mm) |

FOCUS CO OSP CP CX CON

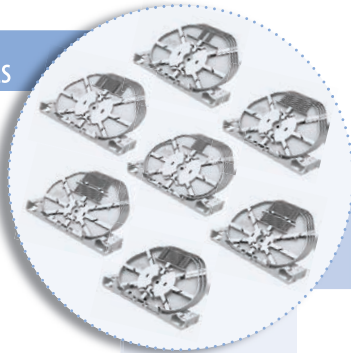
www.optotec.com

All the information included in this document, including drawings, illustration and patterns have to be considered reliable; they are registered and owned by Optotec S.p.A, therefore it is strictly forbidden to use them without our previous authorization. However, Optotec makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Optotec' obligations shall only be as set forth in Optotec' Standard Terms and Conditions of Sale for this product and in no case will Optotec be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Optotec products should make their own evaluation to determine the suitability of each such product for the specific application.

Optotec S.p.A. Via Zenale, 44 20024 Garbagnate Milanese (MI) - Italy P.IVA 10730100152 | Telephone: +39 02 99515.1 | FAX: +39 02 99515.222 | info@optotec.it

ODC2 SPLICE ONLY CLOSURES

SAMX
MODULES



SPLICE MODULES
TYPES AND FEATURES

| SERIES | TRAYS TYPE | TOT. NO. OF TRAYS PER EACH MODULE | NUMBER OF SPLICES PER TRAY | TRAY WITH SPLICES TYPE C = FIBERCLIP H = FIBERTERM |
|--------|------------|--------------------------------------|-------------------------------|---|
| SAMX | HD | 4 | 12 | C |
| SAMX | HD | 4 | 12 | H |
| SAMX | HD | 6 | 8 | H |
| SAMX | HD | 6 | 12 | C |
| SAMX | HD | 6 | 12 | H |
| SAMX | HD | 3 | 24 | H |
| SAMX | HD | 4 | 24 | H |

A BASE
Ø 247 mm
1 OVAL PORT (14 ~ 25)
6 ROUND (8 ~ 28)



B BASE
Ø 247 mm
1 OVAL PORT (14 ~ 25)
6 ROUND (6 ~ 20)
6 ROUND (6 ~ 14)



C BASE
Ø 247 mm
2 OVAL PORT (14 ~ 25)
8 ROUND (8 ~ 28)



| | | | | |
|------|----|---|----|---|
| SAMX | HD | 4 | 12 | C |
| SAMX | HD | 4 | 12 | H |
| SAMX | HD | 6 | 8 | H |
| SAMX | HD | 6 | 12 | C |
| SAMX | HD | 6 | 12 | H |
| SAMX | HD | 3 | 24 | H |
| SAMX | HD | 4 | 24 | H |

| | | | | |
|------|----|---|----|---|
| SAMX | HD | 4 | 12 | C |
| SAMX | HD | 4 | 12 | H |
| SAMX | HD | 6 | 8 | H |
| SAMX | HD | 6 | 12 | C |
| SAMX | HD | 6 | 12 | H |
| SAMX | HD | 3 | 24 | H |
| SAMX | HD | 4 | 24 | H |



| A DOME | | B DOME | |
|--------------------------|----------------------------|--------------------------|----------------------------|
| TOTAL NUMBER OF TRAYS | MAXIMUM SPLICE CAPACITY | TOTAL NUMBER OF TRAYS | MAXIMUM SPLICE CAPACITY |
| 24 | 288 | 56 | 672 |
| 24 | 288 | 56 | 672 |
| 36 | 288 | 84 | 672 |
| 36 | 432 | 84 | 1008 |
| 36 | 432 | 84 | 1008 |
| 18 | 432 | 42 | 1008 |
| 24 | 576 | 56 | 1344 |

| | | | |
|----|-----|----|------|
| 24 | 288 | 56 | 672 |
| 24 | 288 | 56 | 672 |
| 36 | 288 | 84 | 672 |
| 36 | 432 | 84 | 1008 |
| 36 | 432 | 84 | 1008 |
| 18 | 432 | 42 | 1008 |
| 24 | 576 | 56 | 1344 |

| | |
|----|------|
| 56 | 672 |
| 56 | 672 |
| 84 | 672 |
| 84 | 1008 |
| 84 | 1008 |
| 42 | 1008 |
| 56 | 1344 |

www.optotec.com

CON CX CP OSP CO FOCUS

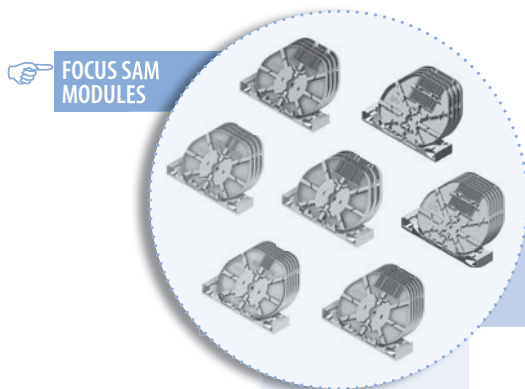
All the information included in this document, including drawings, illustration and patterns have to be considered reliable; they are registered and owned by Optotec S.p.A, therefore it is strictly forbidden to use them without our previous authorization. However, Optotec makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Optotec' obligations shall only be as set forth in Optotec' Standard Terms and Conditions of Sale for this product and in no case will Optotec be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Optotec products should make their own evaluation to determine the suitability of each such product for the specific application.

Optotec S.p.A. Via Zenale, 44 20024 Garbagnate Milanese (MI) - Italy P.IVA 10730100152 | Telephone: +39 02 99515.1 | FAX: +39 02 99515.222 | info@optotec.it

OPT-B-2020-03-ODC-ODC2-CODC2-DOC2-CDOC2-MSC-ODCKIT-CODCKIT-ENG

ODC SPLICE ONLY CLOSURES

FOCUS ODC are externally made of a BASE and a DOME, both available in size C; they can be switchable. The BASE is supplied with a STACK on which it is possible to mount the junction modules of the FOCUS SAM series. Thanks to this versatility, it is possible to create different combinations according to customers' needs. The internal space of the junction modules fixing STACK can be used as a storage for the loop cables, containing the optical fibers not involved in the junction.



FOCUS SAM
MODULES



A BASE
Ø 247 mm
1 OVAL PORT (14 ~ 25)
6 ROUND (8 ~ 28)



C BASE
Ø 247 mm
2 OVAL PORT (14 ~ 25)
8 ROUND (8 ~ 28)



| SERIES | TRAYS TYPE | TOT. NO. OF TRAYS PER EACH MODULE | NUMBER OF SPLICES PER TRAY | SPLICE MODULES TYPES AND FEATURES | |
|-----------|------------|--------------------------------------|-------------------------------|--|--|
| | | | | TRAY WITH SPLICES TYPE C = FIBERCLIP H = FIBERTERM | |
| FOCUS SAM | HD | 4 | 12 | C | |
| FOCUS SAM | HD | 4 | 12 | H | |
| FOCUS SAM | HD | 6 | 8 | H | |
| FOCUS SAM | HD | 6 | 12 | C | |
| FOCUS SAM | HD | 6 | 12 | H | |
| FOCUS SAM | HD | 3 | 24 | H | |
| FOCUS SAM | HD | 4 | 24 | H | |

| | | | | | |
|-----------|----|---|----|---|--|
| FOCUS SAM | HD | 4 | 12 | C | |
| FOCUS SAM | HD | 4 | 12 | H | |
| FOCUS SAM | HD | 6 | 8 | H | |
| FOCUS SAM | HD | 6 | 12 | C | |
| FOCUS SAM | HD | 6 | 12 | H | |
| FOCUS SAM | HD | 3 | 24 | H | |
| FOCUS SAM | HD | 4 | 24 | H | |

| C DOME | |
|--------------------------|----------------------------|
| TOTAL NUMBER OF TRAYS | MAXIMUM SPLICE CAPACITY |
| 88 | 1056 |
| 88 | 1056 |
| 132 | 1056 |
| 132 | 1584 |
| 132 | 1584 |
| 66 | 1584 |
| 88 | 2112 |

| | |
|-----|------|
| 88 | 1056 |
| 88 | 1056 |
| 132 | 1056 |
| 132 | 1584 |
| 132 | 1584 |
| 66 | 1584 |
| 88 | 2112 |

| REFERENCE PN | DESCRIPTION |
|--------------|---|
| FOCUS-ODC-AC | SPLICING closure with 1 oval & 6 round ports base (Total height = 770 mm) |
| FOCUS-ODC-CC | SPLICING closure with 2 oval & 8 round ports base (Total height = 770 mm) |

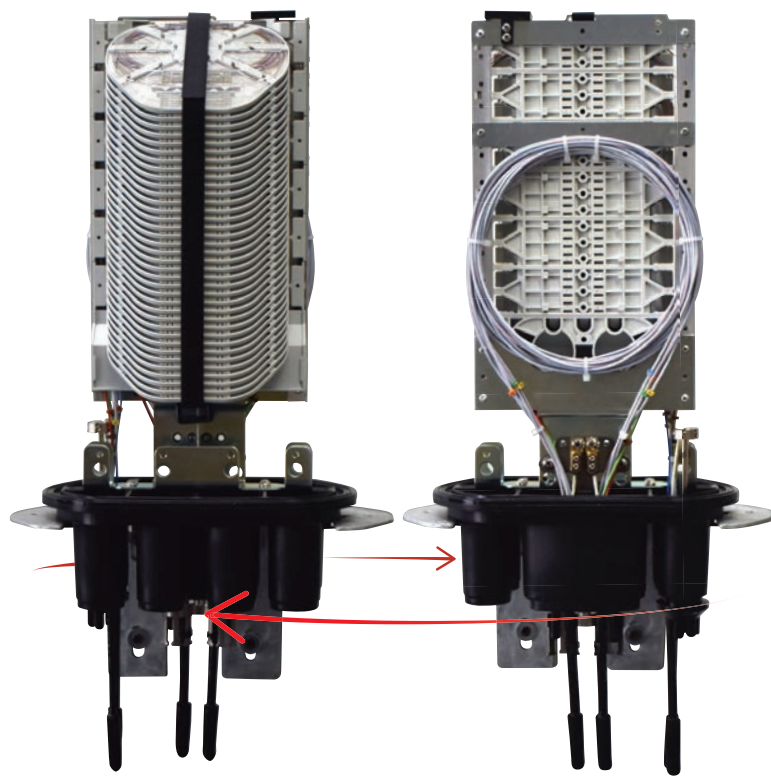
FOCUS

www.optotec.com

All the information included in this document, including drawings, illustration and patterns have to be considered reliable; they are registered and owned by Optotec S.p.A, therefore it is strictly forbidden to use them without our previous authorization. However, Optotec makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Optotec' obligations shall only be as set forth in Optotec' Standard Terms and Conditions of Sale for this product and in no case will Optotec be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Optotec products should make their own evaluation to determine the suitability of each such product for the specific application.

Optotec S.p.A. Via Zenale, 44 20024 Garbagnate Milanese (MI) - Italy P.IVA 10730100152 | Telephone: +39 02 99515.1 | FAX: +39 02 99515.222 | info@optotec.it

CODC2 COMPACT SPLICE ONLY CLOSURES



FOCUS CODC2 are the compact version of the ODC2 closures.

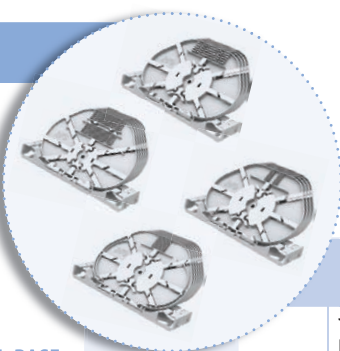
These closures are externally made of a BASE and a DOME, both available in 2 sizes A and B. The flat rectangular shape allows the installation of the closure inside handholes.

The back space of the junction modules fixing STACK can be used as a storage for the uncut cables, containing the optical fibers not involved in the junction.

FOCUS CODC2 AB



SAMX MODULES



A OVAL BASE
L 270 mm P150 mm
1 OVAL PORT (14 ~ 25)
6 ROUND (8 ~ 28)



| SPLICE MODULES TYPES AND FEATURES | | | | | A OVAL DOME | | B OVAL DOME | |
|-----------------------------------|------------|---------------------------------------|----------------------------|--|-----------------------|-------------------------|-----------------------|-------------------------|
| SERIES | TRAYS TYPE | TOTAL NUMBER OF TRAYS PER EACH MODULE | NUMBER OF SPLICES PER TRAY | TRAY WITH SPLICES TYPE C = FIBERCLIP H = FIBERTERM | TOTAL NUMBER OF TRAYS | MAXIMUM SPLICE CAPACITY | TOTAL NUMBER OF TRAYS | MAXIMUM SPLICE CAPACITY |
| SAMX | HD | 4 | 12 | C | 16 | 192 | 24 | 288 |
| SAMX | HD | 4 | 12 | H | 16 | 192 | 24 | 288 |
| SAMX | HD | 6 | 12 | C | 24 | 288 | 36 | 432 |
| SAMX | HD | 6 | 12 | H | 24 | 288 | 36 | 432 |

| REFERENCE PN | DESCRIPTION |
|----------------|---|
| FOCUS-CODC2-AA | COMPACT SPLICING closure with oval A BASE 6 ports + A Dome (Total height =380 mm) |
| FOCUS-CODC2-AB | COMPACT SPLICING closure with oval A BASE 6 ports + B Dome (Total height =450 mm) |

www.optotec.com

CON CK CP OSP CO FOCUS

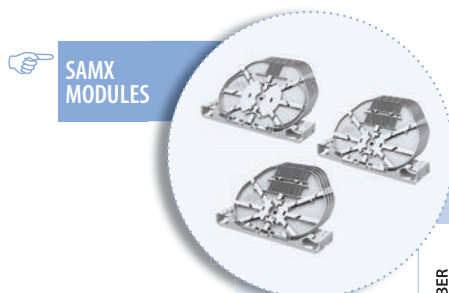
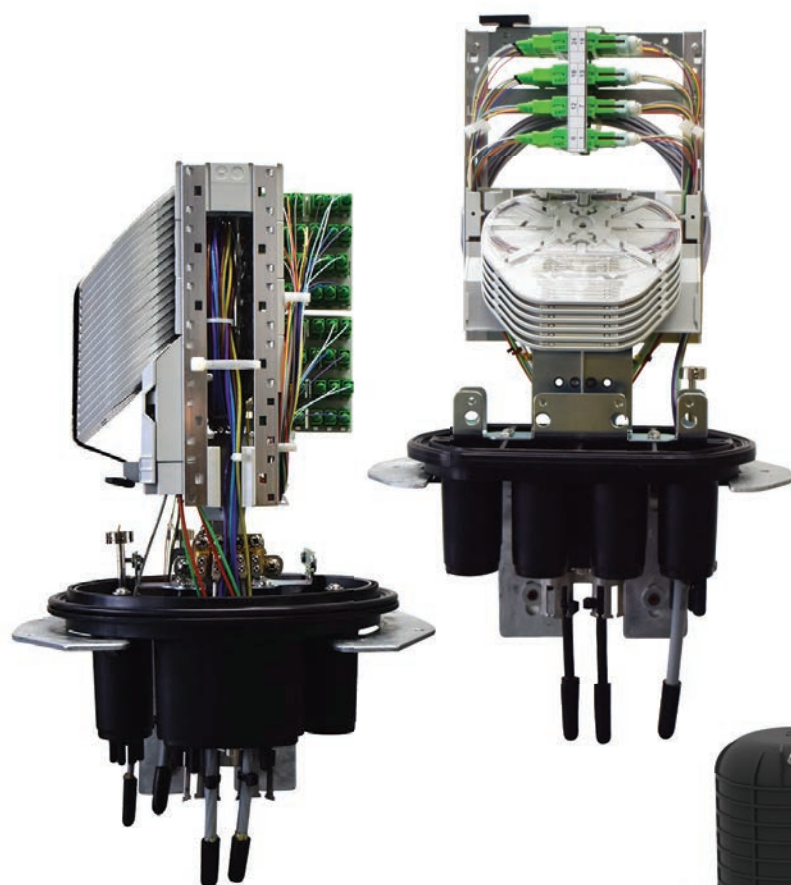
All the information included in this document, including drawings, illustration and patterns have to be considered reliable; they are registered and owned by Optotec S.p.A, therefore it is strictly forbidden to use them without our previous authorization. However, Optotec makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Optotec' obligations shall only be as set forth in Optotec' Standard Terms and Conditions of Sale for this product and in no case will Optotec be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Optotec products should make their own evaluation to determine the suitability of each such product for the specific application.

Optotec S.p.A. Via Zenale, 44 20024 Garbagnate Milanese (MI) - Italy P.IVA 10730100152 | Telephone: +39 02 99515.1 | FAX: +39 02 99515.222 | info@optotec.it

OPT-B-2020-03-ODC-ODC2-CODC2-DOC2-CDOC2-MSC-ODCKIT-CODCKIT-ENG

DOC2 & CDOC2 SPLICE AND PATCH CLOSURE

FOCUS **DOC2** (Demarcation Optical Closure Version 2) and FOCUS **CDOC2** (Compact Demarcation Optical Closure Version 2) are the patch version of Optotec's closures. Inside to these closures is possible both splice and Patch thanks to particular frame for SC or LC duplex adapters.



**SAMX
MODULES**

**SPLICE MODULES
TYPES AND FEATURES**

| SERIES | TRAYS TYPE | TOT. NUMBER OF TRAYS PER EACH MODULE | NUMBER OF SPLICES PER TRAY | TRAY WITH SPLICES TYPE C = FIBERCLIP H = FIBERTERM |
|--------|---------------|--|----------------------------------|---|
| SAMX | HD | 6 | 12 | C |
| SAMX | HD | 6 | 12 | H |
| SAMX | HD | 4 | 24 | H |

A BASE
Ø 247 mm
1 OVAL PORT (14 ~ 25)
6 ROUND (8 ~ 28)

A OVAL BASE
L 270 mm P 150 mm
1 OVAL PORT (14 ~ 25)
6 ROUND (8 ~ 28)

A DOME

OVAL A DOME

| TOTAL NUMBER OF TRAYS | MAXIMUM SPLICE CAPACITY | MAXIMUM PATCH CAPACITY | TOTAL NUMBER OF TRAYS | MAXIMUM SPLICE CAPACITY | MAXIMUM PATCH CAPACITY |
|--------------------------|-------------------------------|------------------------------|--------------------------|-------------------------------|------------------------------|
| 18 | 216 | 48 SC o LC | 6 | 72 | 24 SC o LC |
| 18 | 216 | 48 SC o LC | 6 | 72 | 24 SC o LC |
| 12 | 288 | 48 SC o LC | 4 | 96 | 24 SC o LC |

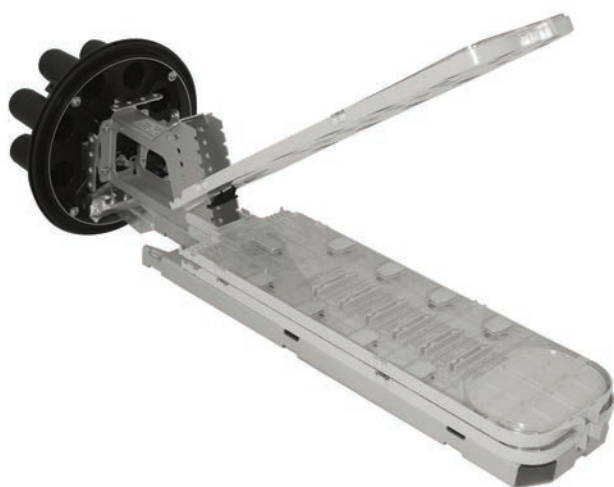
| REFERENCE PN | DESCRIPTION |
|-------------------|--|
| FOCUS-DOC2-AA-48 | ATCH AND SPLICE closure with A base 1 oval and 6 round + B DOME. Suitable for 48 SC or LC connectors (not included). (Total height 525mm) |
| FOCUS-CDOC2-AA-24 | COMPACT PATCH AND SPLICE closure with oval A base 6 ports + A DOME. Suitable for 24 SC or LC connectors (not included). (Total height 380mm) |

FOCUS

www.optotec.com

All the information included in this document, including drawings, illustration and patterns have to be considered reliable; they are registered and owned by Optotec S.p.A, therefore it is strictly forbidden to use them without our previous authorization. However, Optotec makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Optotec' obligations shall only be as set forth in Optotec' Standard Terms and Conditions of Sale for this product and in no case will Optotec be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Optotec products should make their own evaluation to determine the suitability of each such product for the specific application.
Optotec S.p.A. Via Zenale, 44 20024 Garbagnate Milanese (MI) - Italy P.IVA 10730100152 | Telephone: +39 02 99515.1 | FAX: +39 02 99515.222 | info@optotec.it

MSC AC SPLICE CLOSURE WITH TRAYS MST



The FOCUS-MSC-AC watertight closure (IP68, IEC 529) was created for the management and the splicing of high capacity fiber optic cables. Differently to the other Optotec's closure, it accommodates FOCUS MST trays, up to max. 8. FOCUS MST trays are splice only and they have a maximum capacity of 96 f.o. joints, both heath shrinkable FIBERTERM and mechanical FIBERCLIP. In the upper part of the tray it is possible to allocate PLC.

FOCUS MSC CLOSURES

C VERSION DOME

CODC DIMENSIONS WITH C DOME
H 770 mm Ø 247 mm

CLAMP

MSC LOCKING CLIP
Ø 285mm

MSKIT MST TRAY

SPLICE CAPACITY 96 F.O.

A BASE

Ø 247 mm
1 OVAL PORT (14 ~ 25)
6 ROUND (8 ~ 28)
FOR FOCUS ODCKIT* COLD AND HEATH PORT

MAXIMUM SPLICE CAPACITY DEPENDS ON TRAYS NUMBER (MAX. 8)

FOCUS MSCKIT MST H TRAY WITH H HOLDER

FIBERTERM H

MST-H TRAY
FOR 96 HEATHSHRINKABLE
FIBERTERM PROTECTIONS.

SPACE ALSO
FOR PLC LODGE

FOCUS MSCKIT MST C TRAY WITH C HOLDER

FIBERCLIP C

MST-C TRAY
FOR 96 MECHANICAL FIBERCLIP
PROTECTIONS.

SPACE ALSO
FOR PLC LODGE



For managing in and out cables, choose Optotec sealing KITS; FOCUS ODCKIT for heath or cold management, heath-shrinkable.

HERE BELOW FOCUS MSC AC OPTOTEC'S PROPOSAL

| REFERENCE PN | DESCRIPTION |
|--------------------|--|
| FOCUS-MSC-AC-H1 | MSC CLOSURE with C Dome and A Base (1 oval ports and 6 round) – includes 1 FOCUS-MSCKIT-MST-H tray |
| FOCUS-MSCKIT-MST-H | High capacity tray for 96 fibers max with FIBERTERM Holder – tray cover included |
| FOCUS-MSC-AC-C1 | MSC CLOSURE with C Dome and A Base (1 oval ports and 6 round) – includes 1 FOCUS-MSCKIT-MST-C tray |
| FOCUS-MSCKIT-MST-C | High capacity tray for 96 fibers max with FIBERCLIP Holder – tray cover included |

www.optotec.com


CON CK CP OSP CO FOCUS

All the information included in this document, including drawings, illustration and patterns have to be considered reliable; they are registered and owned by Optotec S.p.A, therefore it is strictly forbidden to use them without our previous authorization. However, Optotec makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Optotec's obligations shall only be as set forth in Optotec's Standard Terms and Conditions of Sale for this product and in no case will Optotec be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Optotec products should make their own evaluation to determine the suitability of each such product for the specific application.









Optotec S.p.A. Via Zenale, 44 20024 Garbagnate Milanese (MI) - Italy P.IVA 10730100152 | Telephone: +39 02 99515.1 | FAX: +39 02 99515.222 | info@optotec.it

OPT-B-2020-03-ODC2-CODC2-DOC2-CDOC2-MSC-ODCKIT-CODCKIT-ENG

ODCKIT CCSO - CCSR COLD SEALING




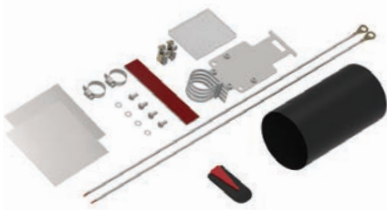

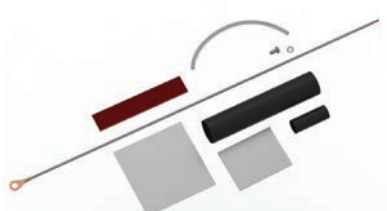

| KIT CODE AND PICTURE | SEALING TYPE | CABLE MANAGEMENT CAPACITY | | USE ON BASE TYPE | | | |
|--|---|---------------------------------|-----------------------------|--|--|---|---|
| | | MAX CABLES NO. | CABLE Ø RANGE MIN-MAX | OVAL A  | ROUND A  | ROUND B  | ROUND C  |
| FOCUS-ODCKIT-CCSO-2x20  | OVAL COLD SEALING | 2 | 10 - 20 mm | YES 1 KIT maximum | YES 1 KIT maximum | YES 1 KIT maximum | YES 2 KITS maximum |
| FOCUS-ODCKIT-CCSO-4x10  | OVAL COLD SEALING | 4 | 5 - 10 mm | YES 1 KIT maximum | YES 1 KIT maximum | YES 1 KIT maximum | YES 2 KITS maximum |
| FOCUS-ODCKIT-CCSR-1x20  | ROUND COLD SEALING | 1 | 12 - 20 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 8 KITS maximum |
| FOCUS-ODCKIT-CCSR-2x12  | ROUND COLD SEALING | 2 | 8 - 12 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 8 KITS maximum |
| FOCUS-ODCKIT-CCSR-4X10  | ROUND COLD SEALING | 4 | 7 - 10 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 8 KITS maximum |
| FOCUS-ODCKIT-CCSR-6X8,6  | ROUND COLD SEALING QUICK-LOCK | 6 | 7 - 8,6 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 8 KITS maximum |

ODCKIT CCSO - CCSR COLD SEALING









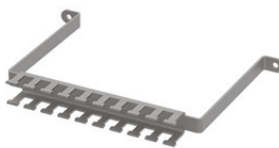

| KIT CODE AND PICTURE | SEALING TYPE | CABLE MANAGEMENT CAPACITY | | USE ON BASE TYPE | | | |
|--|--------------------|---------------------------------|-----------------------------|--|---|---|---|
| | | MAX CABLES NO. | CABLE Ø RANGE MIN-MAX | OVAL A  | ROUND A  | ROUND B  | ROUND C  |
| FOCUS-ODCKIT-CCSR-6X8  | ROUND COLD SEALING | 6 | 6 - 8 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 8 KITS maximum |
| FOCUS-ODCKIT-CCSR-8X6  | ROUND COLD SEALING | 8 | 4 - 6,4 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 8 KITS maximum |
| FOCUS-ODCKIT-CCSR-8X4  | ROUND COLD SEALING | 8 | 3 - 5,5 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 6 KITS maximum |
| FOCUS-ODCKIT-CCSR-16X3  | ROUND COLD SEALING | 16 | 0 - 3 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 8 KITS maximum |

ODCKIT SEAL LT

HEATH SHRINKABLE SEALING

| KIT CODE AND PICTURE | SEALING TYPE | CABLE MANAGEMENT CAPACITY | | USE ON BASE TYPE | | | |
|--|---|---------------------------|-----------------------|--|--|--|--|
| | | MAX CABLES NO. | CABLE Ø RANGE MIN-MAX | OVAL A  | ROUND A  | ROUND B  | ROUND C  |
| FOCUS-ODCKIT-OVAL PORT SEAL LT  | HEATH-SHRINKABLE OVAL SEALING | 2 | 14 ~ 25 mm | YES 1 KIT maximum | YES 1 KIT maximum | YES 1 KIT maximum | YES 2 KITS maximum |
| FOCUS-ODCKIT-ROUND PORT A SEAL LT  | HEATH-SHRINKABLE ROUND SEALING | 1 (2) | 8 ~ 28 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 8 KITS maximum |
| FOCUS-ODCKIT-ROUND PORT B SEAL LT  | HEATH-SHRINKABLE ROUND SEALING | 1 | 6 ~ 20 mm | NO | NO | YES 18 KITS 6 KITS with cable Ø 6 ~ 20 mm and 12 KITS with cable Ø 6 ~ 14 mm | NO |
| FOCUS-ODCKIT-CAVO DROP + PRED. 2°  | HEATH-SHRINKABLE SEALING AND SECOND CABLE CONFIGURATION ROUND A | 1 (2) | 6 ~ 14 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 6 KITS maximum |
| FOCUS-ODCKIT-2° CAVO DROP  | HEATH-SHRINKABLE SEALING AND SECOND CABLE CONFIGURATION ROUND A | 1 | 6 ~ 14 mm | YES 6 KITS maximum | YES 6 KITS maximum | NO | YES 6 KITS maximum |

ODCKIT FOR CABLES FIXING

| KIT CODE AND PICTURE | KIT FEATURES | USE ON CLOSURES TYPE: | | |
|--|---|--|--|--|
| | | CODC2- CDOC2 | ODC2 - DOC2 | MSC |
| FOCUS-ODCKIT WMB  | WALL MOUNTING BRACKET |  NO |  YES |  YES |
| FOCUS-ODCKIT WMB TRALICCIO  | POLE MOUNTING BRACKET | NO | YES | YES |
| FOCUS-CODCKIT WMB  | WALL MOUNTING COMPACT BRACKET | YES | NO | NO |
| FOCUS-CODCKIT WMB TRALICCIO  | POLE MOUNTING COMPACT BRACKET | YES | NO | NO |
| FOCUS-ODCKIT-PHMK  | POT-HEAD MOUNTING BRACKET FOR ODC CLOSURES | YES | YES | YES |
| FOCUS-CODCKIT-CFP  | TUBES OR CABLES FIXING BRACKET MATCH THIS ITEM TO FOCUS-ODCKIT-WMB FOCUS-CODCKIT-WMB | 1X | JUST WITH A BASE CLOSURES | 2X |
| FOCUS-ODCKIT-PMK  | POLE MOUNTING BRACKET MATCH THIS ITEM TO FOCUS-ODCKIT-WMB FOCUS-CODCKIT-WMB | YES | YES | YES |

ODCKIT FOR CABLES FIXING

| KIT CODE AND PICTURE | KIT FEATURES | USE ON CLOSURES TYPE: | | |
|--|--|-----------------------|--|-----|
| | | CODC2 - CDOC2 | ODC2 - DOC2 | MSC |
| FOCUS-ODCKIT-TAP | ARMoured CABLES GROUND FEED-THROUGH | YES | YES | YES |
| FOCUS-ODCKIT-OPS-CC | OVAl HEATH-SHRINKABLE SEALING FOR SLOTTED CORE CABLES | YES | JUST WITH A BASE AND C BASE CLOSURES | YES |
| FOCUS-ODCKIT-RPS-CC | ROUNd HEATH-SHRINKABLE SEALING FOR SLOTTED CORE CABLES | YES | JUST WITH A BASE AND C BASE CLOSURES | YES |
| FOCUS-CODCKIT-SGBP | ANTI-HUNTING PROTECTION FOR POLE MOUNTING CODC CLOSURE | YES | NO | NO |
| FISSAGGIO SCORTE CAVI AEREI | EXTRA LENGTH AERIAL CABLES FIXING | | | |
| DISPENSORE SCORTA CAVI OTTICI IN PALIF. | EXTRA LENGTH AERIAL CABLES FIXING | | | |

OPT *Closures* ODC2 DOC2



AD HOC COLOR, PACKAGING?... WE ARE INTO IT!

OPTOTEC IS ABLE TO SUPPLY PRELOADED CLOSURES
ACCORDING TO CUSTOMER'S NEEDS, EQUIPPED
WITH EVEN COLORED SPLICE CASSETTES,
SC OR LC DUPLEX ADAPTERS' STACK,
MANAGEMENT CABLES AND FIXING KIT.

CONTACT OUR OFFICES!



CUSTOMIZE YOUR OWN VERSION!

ABOUT US

Founded in 1992, Optotec was born with the aim to provide high quality fiber optic products to the European markets. Since 1997, Optotec has become part of the NTET Group.

Optotec provides a complete range of solutions for the telecommunications and FTTH networks. We are able to offer a variety of products that connect, protect and seal the optical fiber network which includes: Central Office (CO) - racks, sub-racks and passive components; Outside Plant (OSP) - closures, cabinets, pedestals; Customer Premises (CP) - termination boxes and outlets;

as well as other customized products!

Through a combination of strength and leadership in the national market, Optotec became an innovative and cost effective solutions partner for communications infrastructure.

The headquarters in Milan is committed to research and development, manufacturing and customer service support. In addition to the leadership in Italy, Optotec expanded its activity throughout Europe with local partnership, designing and manufacturing customized products based on specific requirements.

WHERE WE ARE

ADDRESS

Via Bernardino Zenale, 44
20024 Garbagnate Milanese (MI)
ITALY

CONTACTS

PHONE:

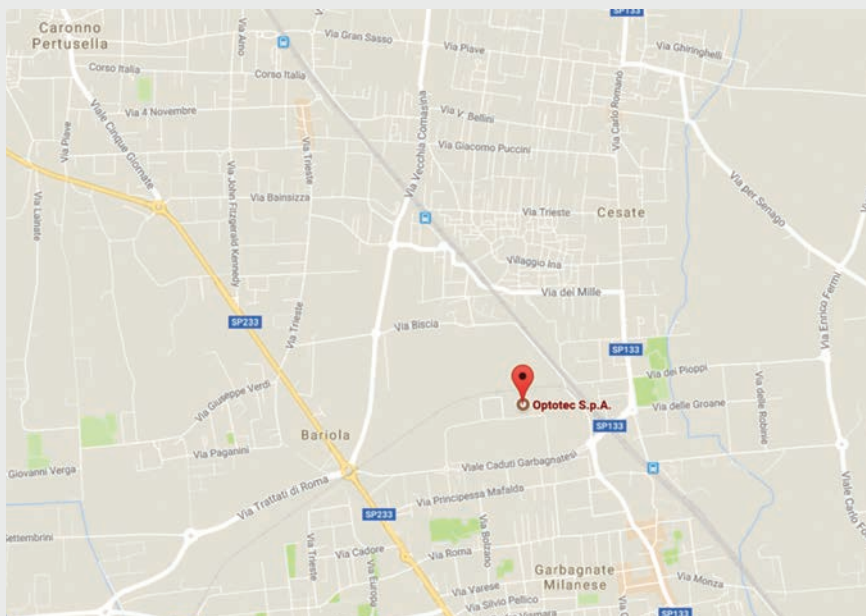
+39 02 99515.1

E-MAIL:

info@optotec.it

WEBSITE:

www.optotec.com



THE GROUP



NTET Group is made of Italian companies that mutually cooperate in researching, designing, producing and trading products for the telecommunications, energy, transport and industry sectors.



S.P. 14 Zona Industriale Piano Tavola
95040 Belpasso (CT) - Italy
tel +39 095 756 35 1 - fax +39 095 756 35 44
www.ntetgroup.com



Via Zenale, 44
20024 Garbagnate Mil.se (MI) - Italy
tel +39 02 99515.1 - fax +39 02 99515.222
info@optotec.it - www.optotec.com



Via Zenale, 40/A
20024 Garbagnate Mil.se (MI) - Italy
tel +39 02 9902102 - fax +39 02 99020095
www.oecitaly.it