

optotec μ ODC

Micro Optical Distribution Closures



The Optotec MicroODC is a compact and versatile splice closure designed for FTTH networks.

It provides IP68 environmental protection, IK10 impact protection, and is ≤ 2 litres in volume. It can be installed in underground chambers, direct buried, pole mounted, or attached to building facades.

The MicroODC can be installed in-line, butt-end, or tap-off, and has a splice capacity up to 96 fibres.

There is also the ability for cable mid-span access for uncut looped tube applications with secure internal cable management and controlled fibre raceways with a radius >30 mm for fibre strand integrity.

The closure is sealed by a removable lid and provided with a wide portfolio of cable gaskets for cable from 3mm to 16mm. Different and customized arrangements are possible as the closure share all the HD splice cassette range with CODC2/ODC2 closures.

TECHNICAL FEATURES

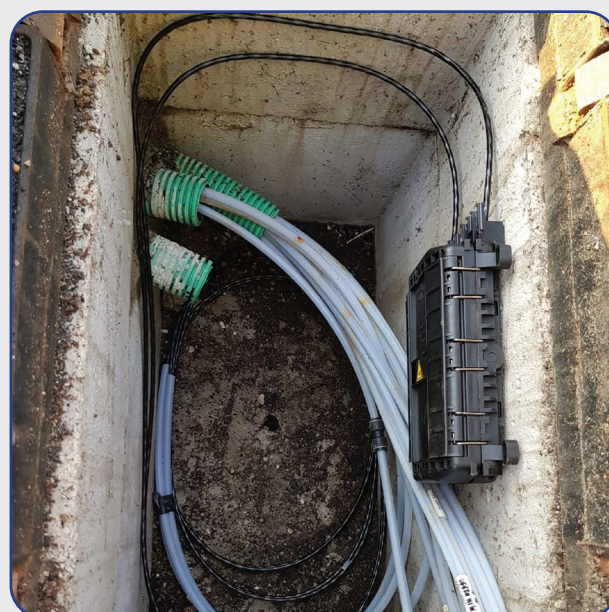
- ITU-T G652, G657 and G655 fibre compatible
- Positive fibre management through min. bend radius protection
- Volume Size ≤ 2 liters
- Highly reliable - IP68 and IK10
- Splice positions up to 96f heatshrink or 72f crimp splice protectors
- Completely toolless opening/closing latch system
- Main Cables 4-16 mm - Drop Cables 2-7mm
- Standard configuration cables in/out - 2 feeders + up to 18 drops
- Splitters trays available for GPON configurations
- Operating temperature -40°C up to $+70^{\circ}\text{C}$
- ROHS and eco-friendly

INSTALLATIONS

- Compact handholes
- Poles
- Façade

APPLICATIONS

- FTTH networks
- Aerial, facade, underground chamber, direct buried
- In-line, butt, tap-off configuration



MICRODC ORDERING INFORMATION

PRODUCT LINE	SERIE NAME	TYPE	CONFIGURATION	COLOR TYPE
Micro Closures	MICRODC (Micro Optical Demarcation Closure)	LT (Loose Tube)	BASIC*	Gray RAL 7035
		MS (Micro Sheath)		Black RAL 9005

* THE BASIC CONFIGURATION OF OPTOTEC MICRODC INCLUDES - 1 SEALING SET, 4 BLIND GASKETS, EXTERNAL CABLE PLATE

The MicroDC closure uses the Optotec SAMR high-density splice array modules with splice capacities of up to 96 fibres.

Cable sealing gaskets kits cover a wide range of cable diameters for each input/output port.

Your Optotec representative can assist in selecting the correct SAMR splice modules and sealing gaskets for your needs.

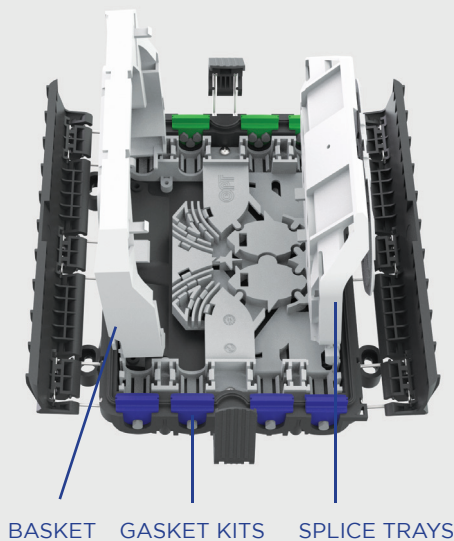
Other optional kits available:

- MICRODCKIT-VALVE kit: Used as a pressurised air flash test point (air must be released after test).
- MICRODCKIT-GROUNDING BOLT kit: Required for cable shield grounding.

MICRODC BASIC, COMPONENTS, CONFIGURATIONS AND DIMENSIONS

MicrODC LT

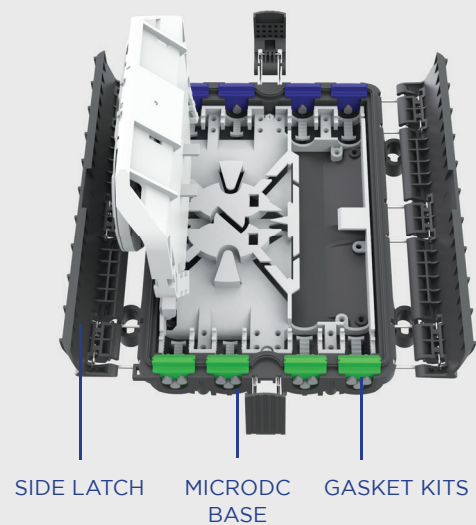
This version of the MicroDC is suitable for loose tube, uncut, mid-span cable modules routings and management. The basket allows storage of up to 12 meters 2.6 mm tubes.



MicrODC MS

This version is designed to accommodate and to protect micro-sheath flexible cable modules.

A large storage area under the incoming fibre organizer safely contains the uncut modules.



MAX DIM.
Width 226 mm
Height 65 mm
Depth 155 mm

PACKAGING

PRODUCT NAME	PACKAGING TYPE	DIMENSIONS (MM)			GROSS WEIGHT (KG.)
		WIDTH	DEPTH	HEIGHT	
MICRODC-LT	Carton box	250	218	77	-1,4
MICRODC-MS	Carton box	250	218	77	-1,4

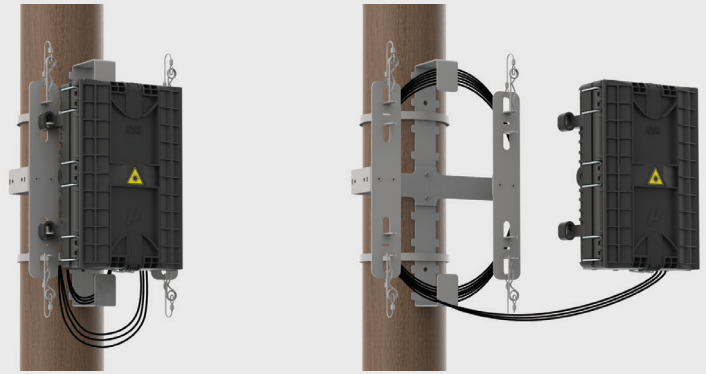
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Users of STL products should make their own evaluation to determine the suitability of such each product for the specific application.

MICRODC SE DIFFERENT INSTALLATIONS

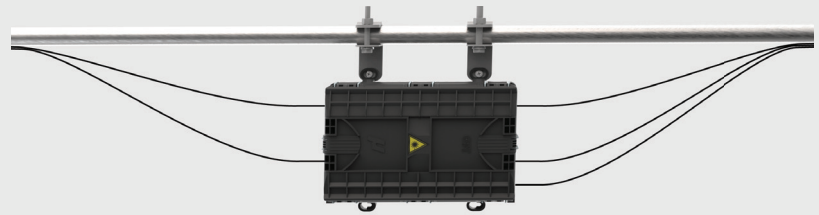
MICRODC-SLACK BRACKET

Easy “fix and remove” system allows to permanently secure the bracket to the pole (or to the wall) and detach quickly the closure and the stored cables.



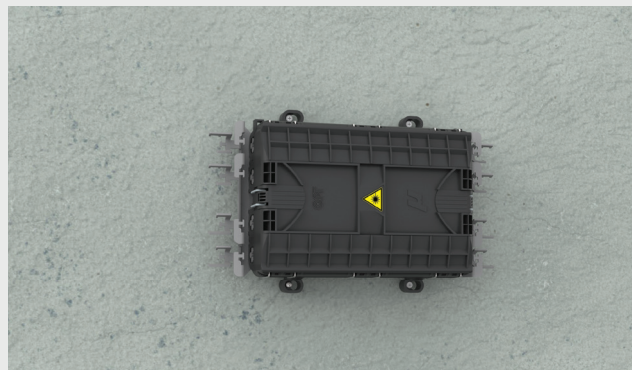
MICRODC HANGER KIT

This kit is used to suspend and firmly anchor the closure to an ADSS cable. It is possible to open the cover and make maintenance directly on the installed microdc.



MICRODC-CABLE STEEL PLATE

This external bracket is suggested for heavy duty cables installation and allows the fixation of the cables by suitable jubilee clips.



MB-MICRODCKIT








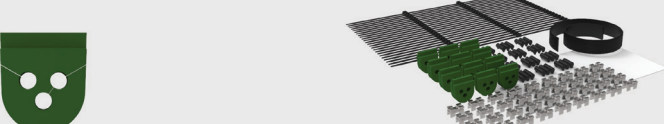


Mounting bracket kit is needed to install up to 2x microdc closures on a standard mobra arm. Microdc is the perfect solution for highly jammed manholes.



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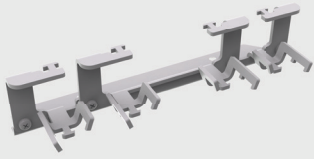
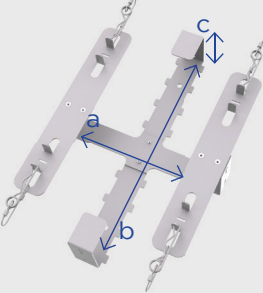
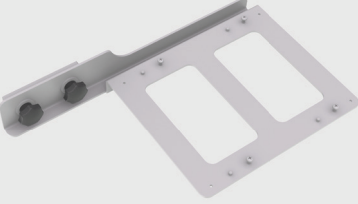


MICRODC SE GASKETS KIT

KIT CODE AND PICTURE	KIT DESCRIPTION
<p>MICRODCKIT-BLIND GASKET</p> 	<ul style="list-style-type: none"> - BLIND GASKET (12 pcs)
<p>MICRODCKIT-LT-FEEDER GASKET 13-16 mm</p> 	<ul style="list-style-type: none"> - FEEDER GASKET 1 HOLE 13-16 mm (12 pcs) - NYLON TIE-WRAP 100X2.5 (24 pcs) - ADHESIVE VELCRO (1 m) - CABLE CLIP (12 pcs) - DUMMY GASKET (12 pcs)
<p>MICRODCKIT-LT- FEEDER GASKET 10-13 mm</p> 	<ul style="list-style-type: none"> - FEEDER GASKET 1 HOLE 10-13 mm (12 pcs) - NYLON TIE-WRAP 100X2.5 (24 pcs) - ADHESIVE VELCRO (1 m) - CABLE CLIP (12 pcs) - DUMMY GASKET (12 pcs)
<p>MICRODCKIT-LT- FEEDER GASKET 9-11 mm</p> 	<ul style="list-style-type: none"> - FEEDER GASKET 1 HOLE 9-11 mm (12 pcs) - DUMMY GASKET (12 pcs) - ADHESIVE VELCRO (1 m) - CABLE CLIP (12 pcs) - NYLON TIE-WRAP 100X2.5 (24 pcs)
<p>MICRODCKIT-LT- FEEDER GASKET 8-10 mm</p> 	<ul style="list-style-type: none"> - FEEDER GASKET 1 HOLE 8-10 mm (12 pcs) - DUMMY GASKET (12 pcs) - ADHESIVE VELCRO (1 m) - CABLE CLIP (12 pcs) - NYLON TIE-WRAP 100X2.5 (24 pcs)
<p>MICRODCKIT-LT- FEEDER GASKET 6-8 mm</p> 	<ul style="list-style-type: none"> - FEEDER GASKET 1 HOLE 6-8 mm (12 pcs) - NYLON TIE-WRAP 100X2.5 (24 pcs) - ADHESIVE VELCRO (1 m) - CABLE CLIP (12 pcs) - DUMMY GASKET (12 pcs)
<p>MICRODCKIT-LT-DROP GASKET 2X6-7 mm</p> 	<ul style="list-style-type: none"> - 2 HOLE 6-7 mm DROP GASKET (12 pcs) - DUMMY GASKET (24 pcs) - CABLE CLIP (24 pcs) - NYLON TIE-WRAP 100X2.5 (24 pcs) - NYLON TIE-WRAP 200X4.5 (24 pcs) - ADHESIVE VELCRO (1 m)
<p>MICRODCKIT-LT-DROP GASKET 3 X 5-6 mm</p> 	<ul style="list-style-type: none"> - DROP GASKET 3 HOLE 5-6 mm (12 pcs) - DUMMY GASKET (36 pcs) - ADHESIVE VELCRO (1 m) - CABLE CLIP (36 pcs) - NYLON TIE-WRAP 100X2.5 (72 pcs)
<p>MICRODCKIT-LT- DROP GASKET 4 X 2.5-3.5 mm</p> 	<ul style="list-style-type: none"> - DROP GASKET 4 HOLE 2.5-3.5 mm (12 pcs) - ADHESIVE VELCRO (1 m) - CABLE CLIP (24 pcs) - SILICON PULL PLAG (48 pcs) - NYLON TIE-WRAP 100X2.5 (48 pcs)
<p>MICRODCKIT-LT-DROP GASKET 9 X 2-3 mm</p> 	<ul style="list-style-type: none"> - 9 HOLE 2-3 mm DROP GASKET (12 pcs) - CABLE CLIP (36 pcs) - NYLON TIE-WRAP 100X2.5 (72 pcs) - ADHESIVE VELCRO (1 m)

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MICRODC SE ACCESSORIES KIT

KIT CODE EXTENTION AND PICTURE	DESCRIPTION
<p>MICRODC HANGER KIT</p> 	<p>For suspension and fixation to ADSS cables (range 5-25 mm diam.)</p>
<p>MICRODC-CABLE STEEL PLATE</p> 	<p>For heavy duty armoured cables external fixation</p>
<p>MICRODC-SLACK BRACKET</p> 	<p>Slack storage and easy fix bracket for pole/wall anchorage. (i.e. 20m of 7mm dia cable) Internal slack storage dimension (a213xb304xc55 mm)</p>
<p>MB-MICRODCKIT</p> 	<p>Mounting bracket for up to 2x microdc fixation to MOBRA unistrut arms</p>
<p>PRESSURE VALVE</p> 	<p>Pressure valve for flash test up to 0.2bar</p>
<p>HEARTH SCREW</p> 	<p>Grounding point for cables with metal wire</p>

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