nanoODC

STL nanODC is a remarkably compact IP68 (2m) UL-94 V-0 UV-resistant enclosure suitable for underground, pole, and façade installations, as well as end-user network connections. It is designed to be deployed as the final outside plant branching/splitting point before reaching the end-user's household. This enclosure fits into various small handholes and can also be positively integrated as an elegant and non-intrusive element on a façade.

STL nanODC is highly recommended for managing outdoor/indoor cable transitions or cable repairs, with the capability to branch up to 12 single-fiber drop cables. This butt-end closure can house up to 24 uncut modules of a retractable cable, protecting 12f splices and one PLC splitter. The new design cassette can efficiently manage the uncut fibers of the spliced module

It is an integral part of the STL micrODC ecosystem, sharing the same well-known sealing gaskets.

APPLICATIONS

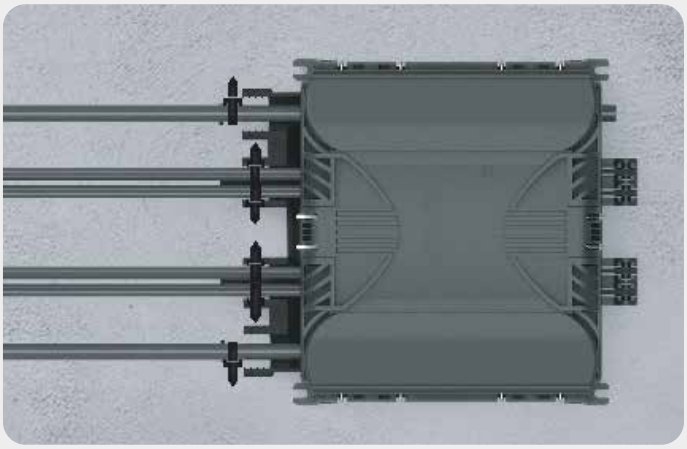
- Butt-end closure for end-users fibre connection
- Nano GPON distribution point with integrated splitter
- Outdoor/indoor cable transition point
- Disaster recovering closure for repair/maintenace

INSTALLATIONS

- Underground manholes and handholes
- Pole mounting with metal bands
- Façade and wall mounting

KEY FEATURES AND BENEFITS

- Sealed fibre splice closure (Type2 cat. G for FTTH) Type 2, EN 50411-2-10 compliant)
- IP68 (IEC 60529 2m) and IK08 approved
- UL-94 V-0 and UV resistant
- Least possible dimensions (140 x 160 x 65mm)
- Butt-end configuration with 4x multiport gaskets
- Up to 12x single drops 3mm cables
- Available with 1x cassette (12fo or 24fo)
- Different colors available (black and light grey standard)
- Operating temperature: -30˚C to +60˚C



DIMENSIONS

LENGHT 160 mm
WIDTH 140 mm
DEPTH 65 mm

ORDERING INFORMATION

REFERENCE PN	DESCRIPTION
OPTO-nanODC-12H1PLC-DDJD-XXXX	OPTO-nanODC butt-end for 3 cables 08-10mm and 4 drop cables 2.5-3.5mm

* Other versions available upon request

PACKAGING

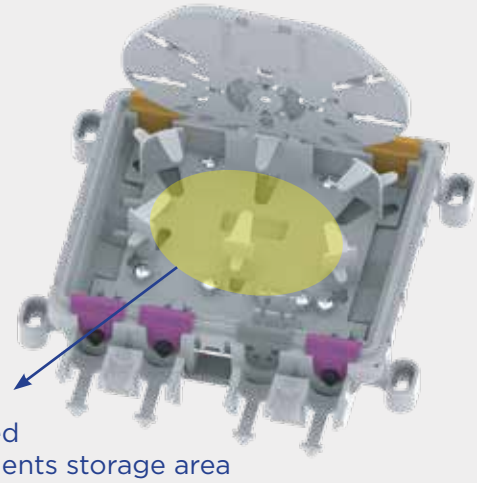
PRODUCT NAME	PACKAGING TYPE	DIMENSIONS (mm)			GROSS WEIGHT (KG.)
		LENGTH	WIDTH	HEIGHT	
OPTO-nanODC	Carton Box	172	222	77	~2

PACKAGING IMAGES TO BE DONE BY R&D

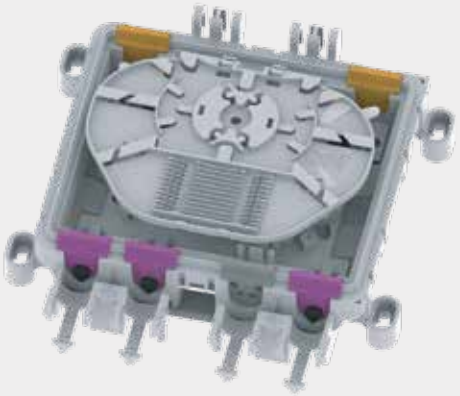
MAIN PARTS DESCRIPTION

The area below the splice cassette facilitates:

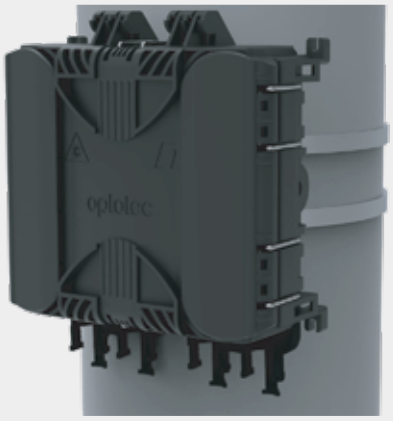
- Terminating cables with fixations outside and inside the closure. Strength members are secured by screws inside the closure, along with aramid yarn protection.
- Storing midspanned feeder cable modules or unused 12f or 24f retractable cable elements up to 160cm. Midspanned feeder cables enter the closure through the two side gaskets.
- Using the centrally positioned gaskets for branched cables or single fiber drops.
- Managing and protecting the routing of an element of the feeder cable to the upper splice cassette. Bare fibers reach the pivoting splice area with a minimum guaranteed bending radius of 20mm.
- Splicing up to 12f (80cm per side). The cassette can house one PLC splitter bare fiber (4x4x40mm) to use the nanODC as a GPON node. Cassettes for 24f splices or with crimp splice protectors holder are also available.



Midspanned
cable elements storage area



It is possible to use the nanODC directly fixed on poles by stainless steel metal bands (10mm) and clamps (spare parts, not included). The fixation is integrated in the back of the base.



For aerial feeder cables with a messenger wire, it is possible to secure the messenger to the closure as depicted in this figure.