# Optical Transition Box

**OPTICAL TRANSITION BOX 96 - OTB 96**



**Aginode Ref:** 10283569

Optical Transition Box equipped with:

- COSH optical splicing and patching module with 96 LC/UPC adapters (48 duplex adapters)
- 2 entries and 2 BAEP fan-out and clamping devices for hybrid cables
- 2 entries for up to 11 LC/UPC preterminated breakout cables with 12 fibres or secondary cables

The Optical Transition Box allows to connect wind turbines together. Hybrid cables (power and fibre) are used and terminated in this box which is located at the base of the wind turbines. It is designed in 316L stainless steel material due to its installation in Wind Farm. Its protection degrees IP66 and IK10 are compatible for a use in harsh environment. The product allows to connect several breakout cables and submarine hybrid cables. It is equipped with a COSH optical module which combines splicing and patching functions (up to 96 LC/UPC adaptors and 192 splices).

The incoming submarine cables are spliced to pigtails, ready for splicing in cassettes, which are connected on the back of the patch panel. Incoming cables can be also spliced directly to the outcoming submarine cable going to another cabinet. Each cable entry for submarine cable is equipped with a BAEP fan-out and clamping device. The box has also cable entries compatible for 12OF breakout cables terminated with LC/UPC adapters which are plugged to the patch panel. The IP66 watertightness is guaranteed thanks to the specific ROXTEC cable glands and seals for breakout or hybrid cables. Individual grounding for submarine cables are available and linked to the grounding system of the cabinet ensuring a electrical continuity between all components.

The box is secured by 2 key locks and can be mounted easily thanks to its 4 fixing points outside the product.

The product is delivered in wood box (NIMP15) and fully equipped with adaptors and pigtails, mounted and tested, ready for termination.

*All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.*

Compliant with ISO 9001, ISO 14001 and OHSAS 18001.

## References

UNITED KINGDOM - Dogger Bank Windfarm Offshore

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# Optical Transition Box 96 - OTB 96

## Characteristics

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|---|---|
| **Construction characteristics** | |
| Colour | Grey |
| Box type | Splicing and patching |
| Material | Stainless Steel |
| **Dimensional characteristics** | |
| Depth | 300 mm |
| Height | 600 mm |
| Weight | 35000 g |
| Width | 600 mm |
| Max. number of cassettes | 4 |
| Splice number | 192 |
| Maximum number of adaptators | 96 |
| **Mechanical characteristics** | |
| IK Rating | 10 |
| **Usage characteristics** | |
| Field of application | Transition |
| Adaptor | LC/UPC |
| Midspan | No |
| Packaging | Box |
| Installation type | Outdoor |
| RoHS compliant | Yes |
| Watertightness | IP66 |
| Minimum Bend Radius - Installed | 30 mm |

**ドキュメンテーション**

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