Optical Transition Box

- 316L stainless steel cabinet
- Designed for harsh and marine environments
- Optical module with combined splicing and patching functions integrated in the cabinet
- Specific IP66 devices for breakout and submarine 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.

Compliant with ISO 9001, ISO 14001 and OHSAS 18001.

Optical Transition Box

CHARACTERISTICS

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
Watertightness	IP66
Minimum Bend Radius - Installed	30 mm

Resources

Documentation

Instruction manual - Optical Transition Box 48 pdf — 1.46 MB Download

Instruction manual - Optical Transition Box 96 pdf — 3.74 MB Download

Product list

	Aginode ref.	Country ref.	Name	Maximum number of adaptators
	10283569	-	Optical Transition Box 96 - OTB 96	96
	10265597	-	Optical Transition Box 48 - OTB 48	48

= Make to order, = In Stock