HUAWEI
ATB3101

Building an Efficient Fiber Infrastructure

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ATB3101

The Access Terminal Box (ATB) is used to connect the drop cable and the passive optical equipment of the ONU. The ATB is installed in the inner wall and provides the optical fiber socket.
The ATB3101 supports fusion splicing, mechanical splicing, and FA connectors.
The ATB3101 supports the wall installation mode.

Features & Benefits

Good Adaptability

- It provides three capacity types, one core， two cores and four cores, to satisfy different capacity requirements of customers.
- It supports the wall installation mode. The installation position can be flexibly chosen.
- It supports fusion splicing, mechanical splicing, and FA connectors.
- It is in white appearance and are simple and elegant. In addition, it can blend easily with the surroundings of the building

User-Friendly Design and Easy Operation

- Not need to open the cover plate when plugging and unplugging fiber connectors.
- It is easy to operate and has clear operating instructions.
- It has cable holes on each side (left, right, top, bottom, and base), which meets diverse cable routing requirements.

Easy Maintenance and High Reliability

- The user-friendly design effectively prevents human injuries.
- Clear and complete instruction labels prevent incorrect operations.
- Clear and easily noticeable laser labels prevent damage caused by laser.
- The directly downward optical port prevents eye injury.

Low Construction Costs

- The simple product installation procedure and maintenance save the installation time.
- The project construction period is short and the subcontract cost is low.

Structure

Configurations

Application Mode		Adapter	Net weight(g)	Gross weight (with packaging and accessories)(g)
One-core	ATB3101-1A	SC/UPC	100	128
	ATB3101-1B	SC/APC	100	128
	ATB3101-1	-	86	114
Two-core	ATB3101-2A	2SC/UPC	107	135
	ATB3101-2B	2SC/APC	107	135
	ATB3101-2	-	84	112
	ATB3101-2-LC/UPC	2LC/UPC	100	128
	ATB3101-2-LC/APC	2LC/APC	100	128
Four-core	ATB3101-4-LC/APC	4LC/APC	100	128

Specifications

Item	Specifications
Dimension (H×W×D, mm)	86 x 115 x 23
Installation Mode	Wall-mounted
Connection Mode	Fusion splicing， mechanical splicing and FA connector
Fireproof class	UL94 V0
Material of box body	ABS+PC
Drop cable type	Flat: 2 mm x 3 mm Round: Φ5–Φ7 mm
Pigtail type	G.657A and G.657A2
Optical Cables Inlet	Left, right, bottom and base
Radius of curvature (mm)	≥ 15
Protection Level	IP4X
Operating temperature	-25ºC to +60ºC
Storage temperature	-40ºC to +70ºC
Operating humidity	93% (30ºC)
Atmospheric pressure	70 kPa to 106 kPa
Storage, transport, and packaging	Complies with the storage, transport, and packaging requirements for passive optical equipment described in the ITU-T L.51 8.1.
General requirements	Complies with the general requirements of passive optical equipment and the following standards: • ITU-T L.51: for passive node elements of the optical network-general principles and definitions of the features and performance assessment • JB-T8593-1997: for electronic accessory installation adjustment panel and installation box
Safety protection requirements	Complies with the safety protection requirements and the following standards: • EN 60950-1: general requirements for information technology equipment • UL94: tests on flammable plastic materials of equipment and objects • IEC 60529: Enclosure Protection Level (IP Code) or IP4x