Wall Mount ODF 24- SC for pole use with mounting kit

1. General Introduction

ODF 24-SC series of fiber optic distribution box is applicable to fiber connection and distribution in fiber distribution network. The material is engineering plastic, good appearance and safe lock-structure, easy installation.

The box has following features:

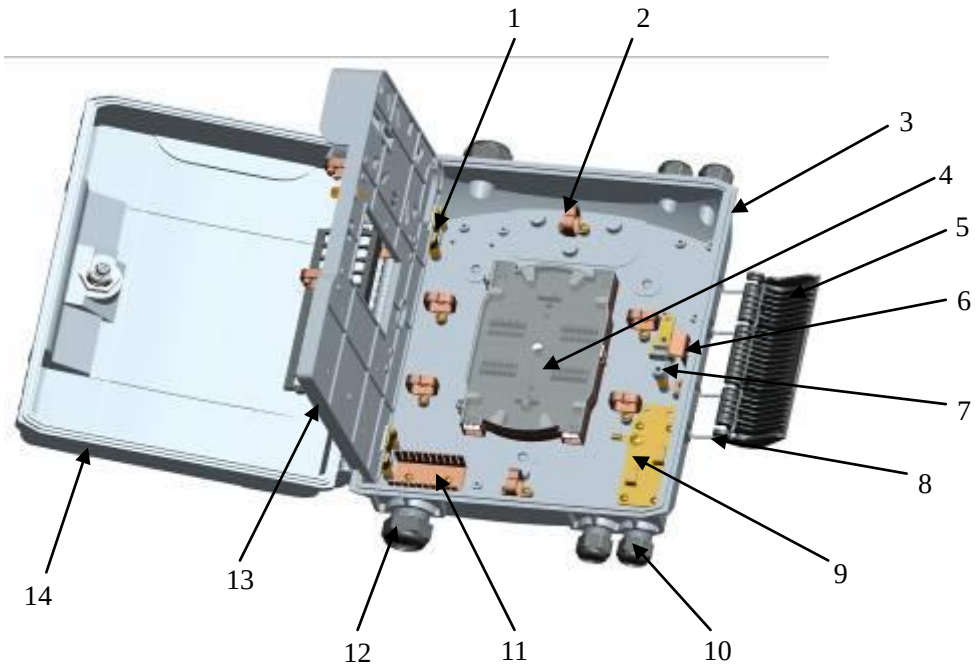
1. Multi-functional conversion by changing fittings, to realize fiber distribution and fiber termination. Flexible application
2. Indoor/outdoor application, it is suitable for pole-mounted and wall-mounted fixing installation.
3. Varied of functions of fiber cable fixing, splice, spare fiber storage and patch jumper cable storage.
4. Fiber bending radius can meet the requirement in every place, to protect fiber effectively.
5. Rotary design for adapter panel and PLC splitter mounting frame, easy to operate and maintenance.
6. Parking application, to ensure effective use of signal resource.

Picture 1：The appearance of ODF 24-SC

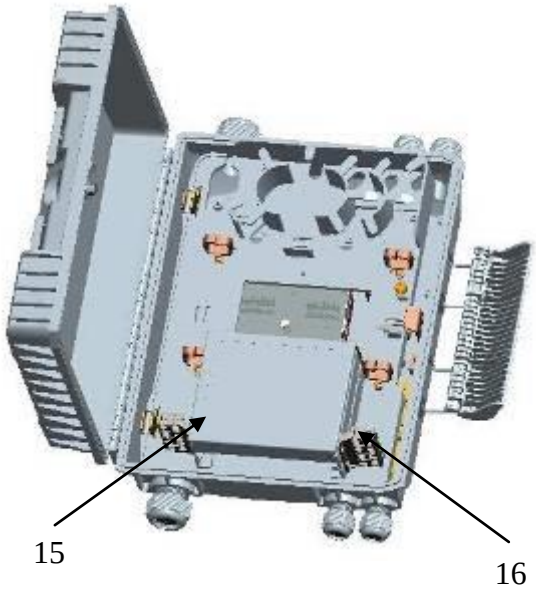
2. Structure

2.1 The box for fiber distribution (Model: ODF 24-SC)

Composited by box, splice module, rotary plate, PLC splitter mounting frame and parking location. (See picture 2 and 3)



Picture 2: Inner layer structure (Same for A and B type)



Picture 3: Outer layer structure for ODF 24-SC

1. Holder 2. Cable ring 3. Box 4. Splice tray 5. Pull buckle 6. Lock-tongue 7. Fixed buckle 8. Jump ring 9.Stripper cable fixed panel 10. Cable port 11. Soft cable holder 12. Output for soft cable 13. Turnover board 14. Cover 15. PLC splitter mounting frame 16. Parking with 8 positions

2.2 The box for fiber termination (Model: ODF 24-SC)

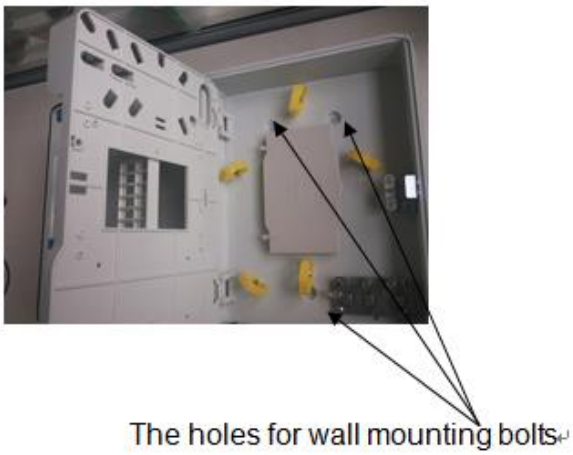
Composition by box, splice module, rotary plate, adapter panel mounting frame (See picture 4)

Picture 4: Outer layer structure for ODF 24-SC

17. Adapter panel

3. Box fixing installation

Wall-mounted installation by using metal expansion bolt or plastic expansion bolt. Pole-mounted installation by metal hoop. See picture 5 and picture 6.

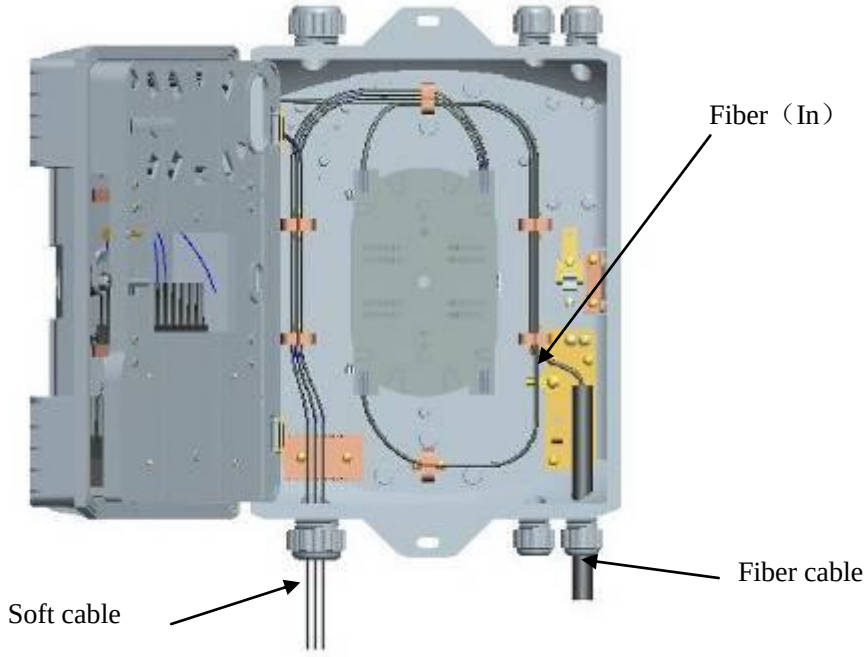


Picture 5: Wall-mounting

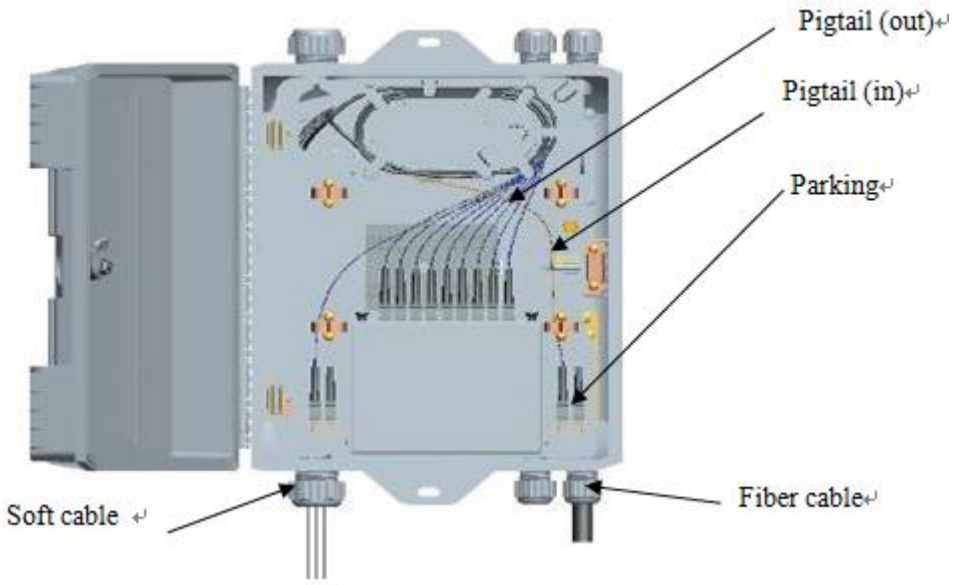
Picture 6: Pole-mounting

4. The procedure for internal construction

4.1 Fiber route principle of the box for fiber distribution (see picture 7 and 8)



Picture 7: Fiber route in inner layer



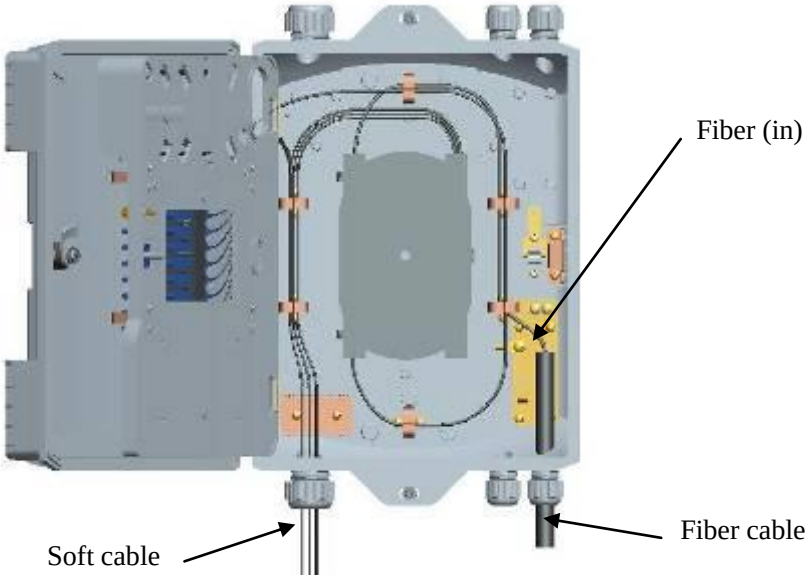
Picture 8: Fiber route in outer layer

Open the turnover board to operate in inner layer. Cables entry the box by cable port, fix the stripped cable in stripper cable fixed panel, make the metal strengthen core grounding. Use

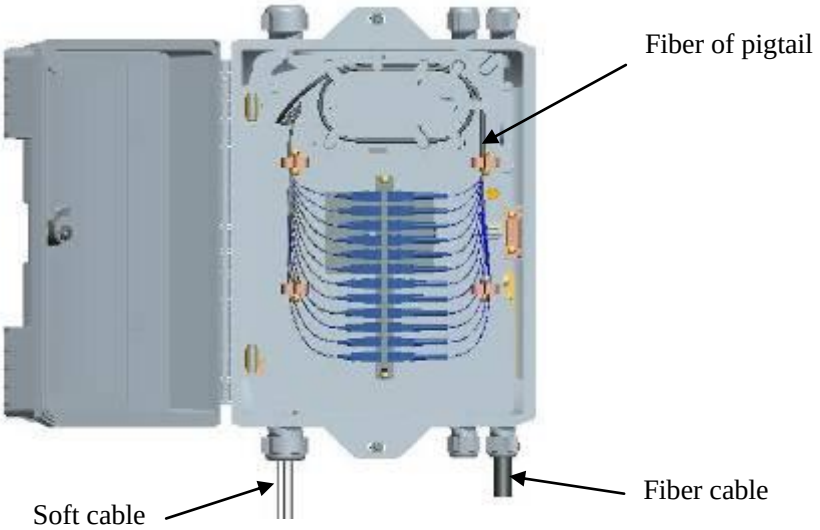
EVA tube to protect stripped cable, then lead the cable into splice tray.

Splice the fiber with pigtails, the other end with connectors of pigtail go into outer layer, connect with splitter, storage the spare cables. Then soft cables go outside of box.

4.2 Fiber route principle of the box for fiber termination, see picture 9 and 10.



Picture 9: Fiber route in inner layer



Picture 10: Fiber route in outer layer

5. Dimension and Capacity Chart

Model	Dimension （H*W*Dmm）	Full capacity	Remark
Fiber termination type ODF 24-SC-01	385*260*110mm	16F	24F splice tray 12F soft cable splice tray
Fiber distribution type ODF 24-SC-02	385*260*110mm	24F	
Fiber distribution type ODF 24-SC-03	385*260*110mm	48F	24F splice tray