



**Installation Manual for Fiberoptic Distribution Box**

**General description**

HCS Fiberoptic Distribution Box is suitable for fiber termination in small size networks, including tight-buffer, loose-tube & ribbon cables up to 96 fibers.

The box is suitable for indoor installations in the following conditions:

Temperature operating range: -5 to +40°C. Relative humidity: 85% max. @ 30°C. Atmospheric pressure: 70-106 Kpa.

Before installation pls open the box and verify that no part has been damaged or deformed during transportation & handling.

Pls review the enclosed packing list and verify that no parts are missing.



Top view: 3x22.5mm holes + 2x47.5mm holes



Bottom view: 3x22.5mm holes + 2x47.5mm holes

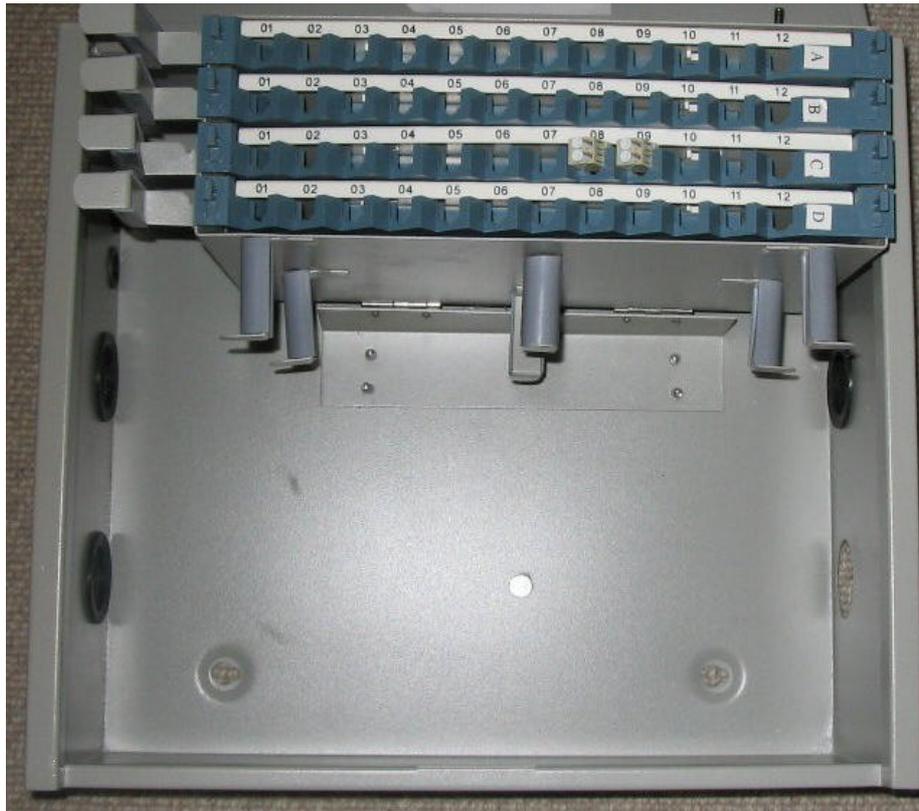


Back view: 4 pear-shaped 13/8mm holes  
300mm center to center distance

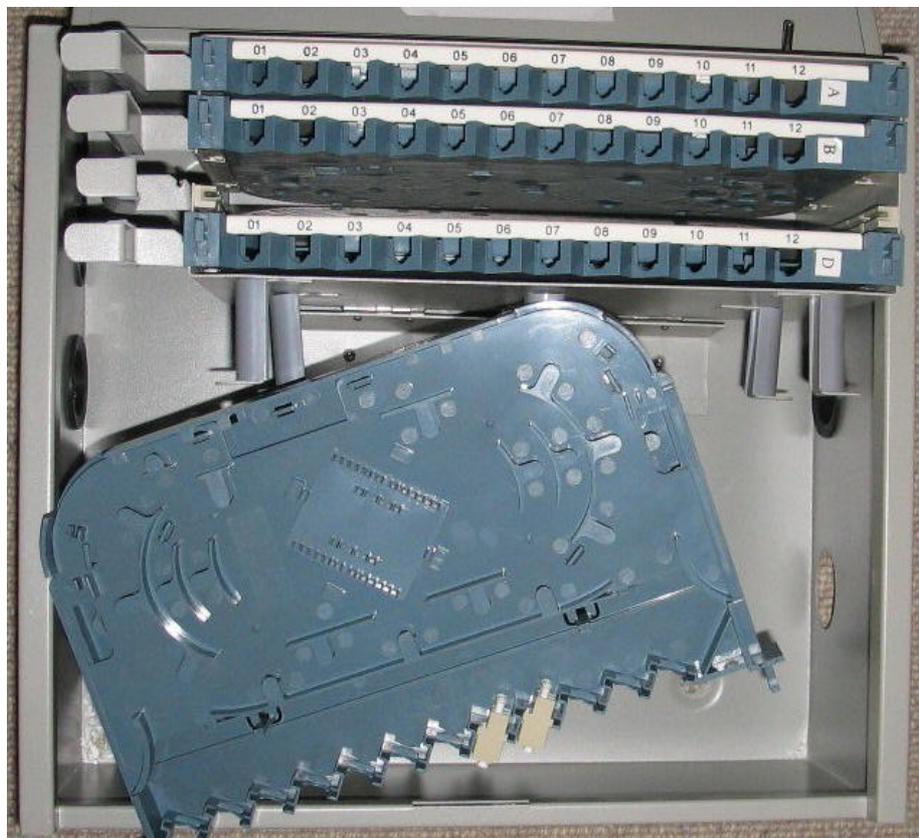


Inside view

The 4 plastic termination trays are easily accessible by rotation of the tray holders. Each tray is clearly marked (A to D) and each port is numbered (01 to 12):



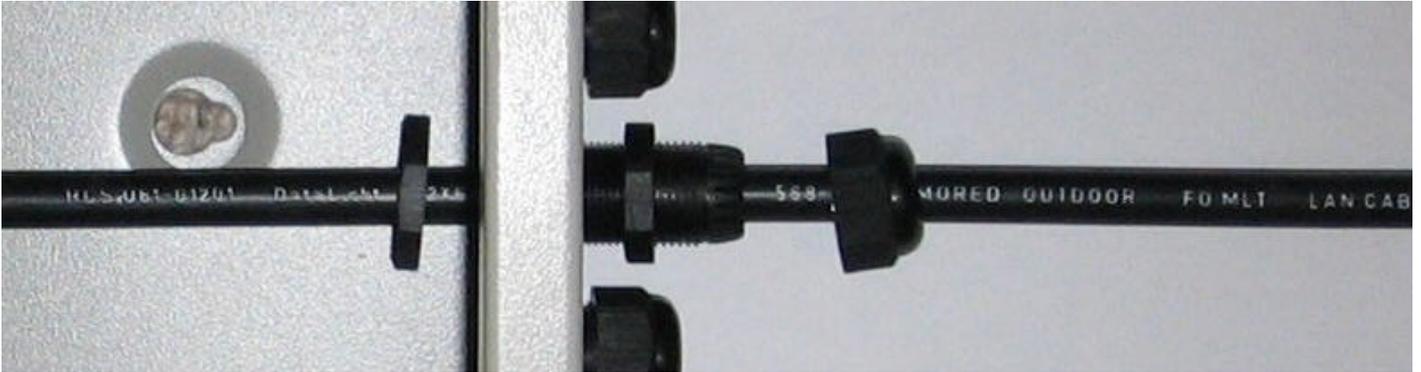
Each tray can be pulled out in order to route the pigtails:





## Installation steps

1. Hang the box at a suitable location using the 4 pear-shaped holes in the back side, with enough top or bottom space for cables insertion.
2. The following instructions apply to both top and bottom cable insertion:
  - 2.1. Insert the cable into one of the designated holes as shown:



- 2.2. Pull approx. 2m cable into the box and tighten all bolts to ensure a dust-proof termination:



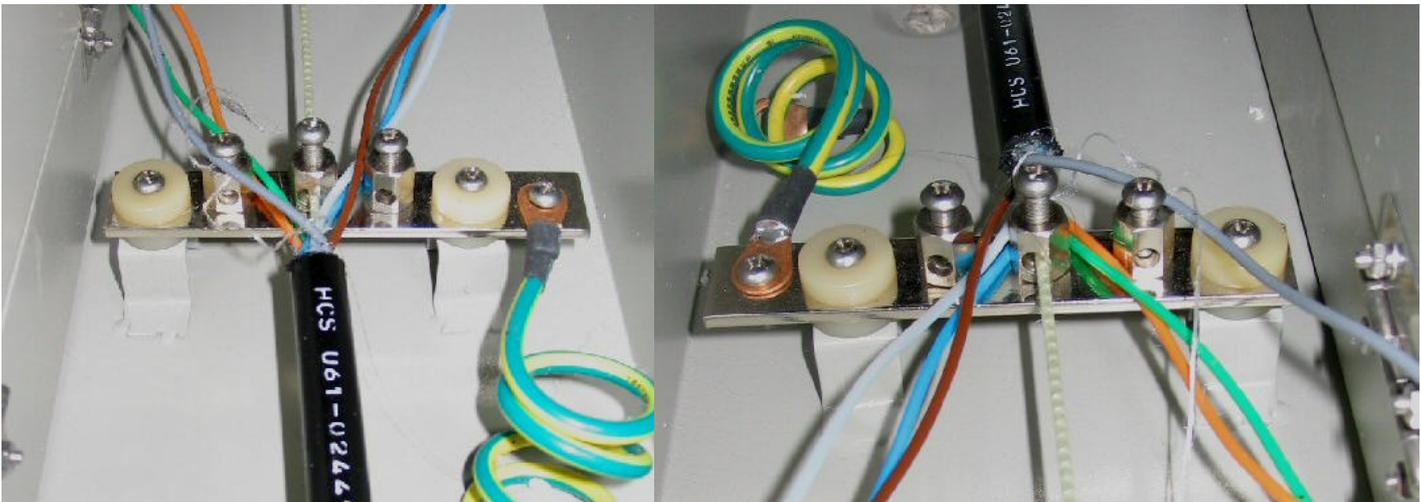
- 2.3. Carefully remove the cable jacket and any armors and tapes if available, exposing the (loose- tubes or tight) buffered fibers.

Remove the excess of jell if available and avoid damaging any fiber or buffer tube.

Cut the excessive length of central strength member, insert it into the correct fastener and tighten the screw.

Verify that the ground wire is properly secured to the box chassis.

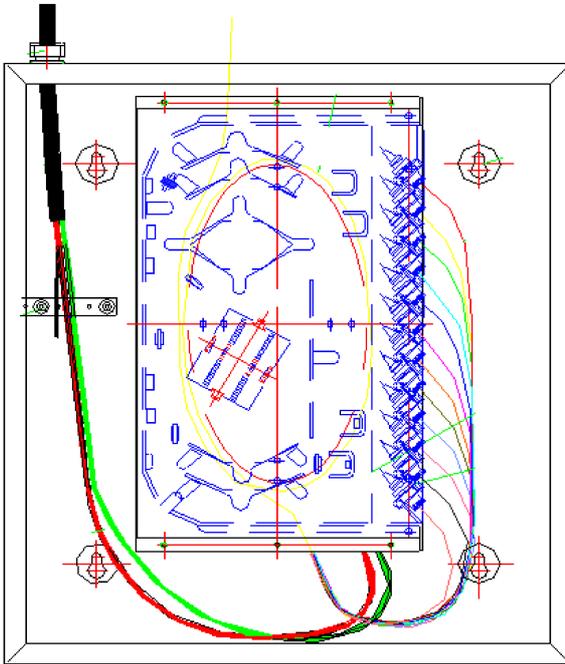
Do not cut any buffered fiber or tubes that contain fibers.



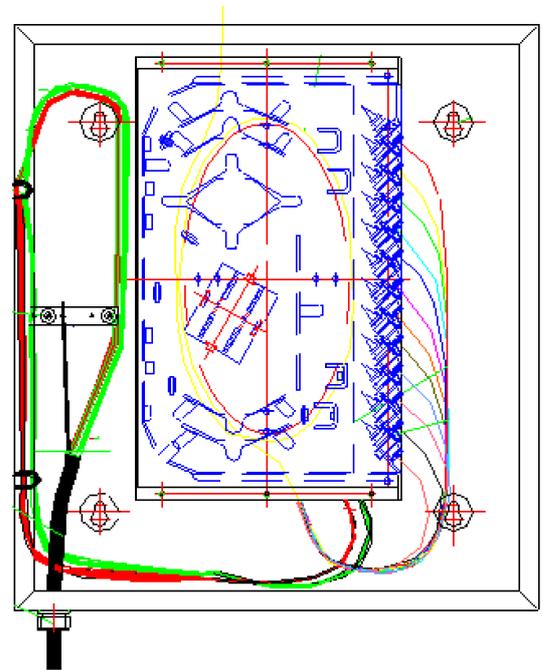


3. Route the cable carefully inside the box so as to maximize the bend radius and to minimize damage to the fibers:

3.1. Cable inserted from the box top:

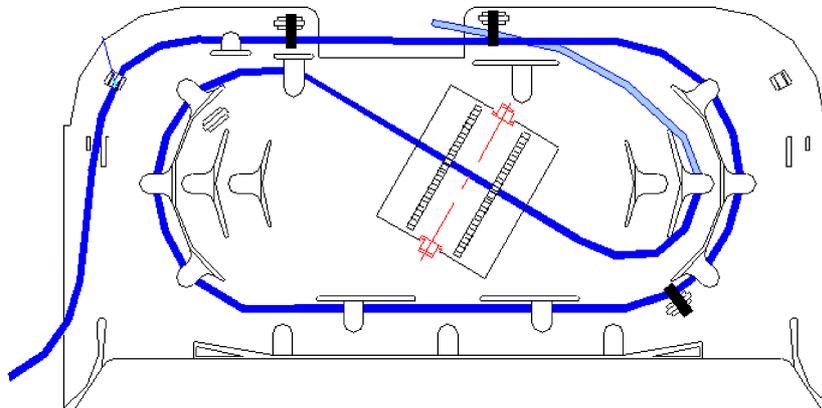


3.2. Cable inserted from the box bottom:



4. Route the fibers carefully inside the trays so as to maximize the bend radius and to minimize damage to the fibers:

4.1. The blue line indicates how should a bunch of fibers be routed and fastened inside the top plastic tray.



4.2. The yellow line indicates how should a bunch of pigtails be routed and fastened inside the bottom plastic tray. The pigtails are spliced to the cable fibers and terminated as shown.

