OPTICAL FIBER SPLICE DISTRIBUTOR
[OFSD-H-x-2/2F] *Fiber Products, FTTX*

Taikan
ESTD. 1973

Description

Taikan's Optical Fiber Splice Distributor (OFSD) Series can be applied as a straight line or branch line fiber splice closure for distribution cables in FTTx network. Applications include: pole mounted in aerial OSP networks, attached to building exteriors of medium to low-rise Multi Dwelling Units (MDUs), and central riser closets or stairwells of mid- to high-rise MDUs.

The outer box body is made of high-strength engineered plastic (ABS) which is light weight and has high mechanical strength, strong corrosion resistance, and lightning resistance.
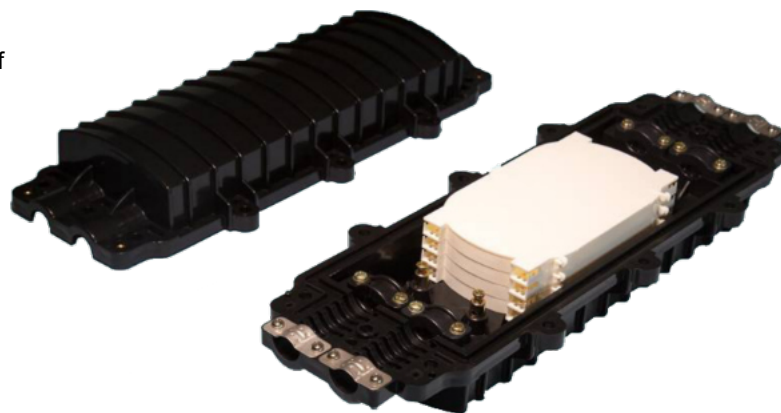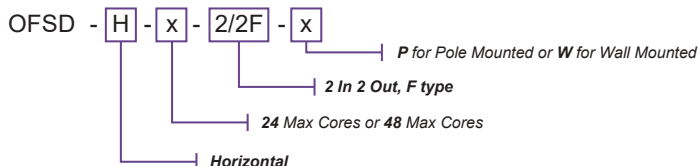
Features

- The outer box and the cable inlet are sealed with self-adhesive (non-vulcanized) rubber strips and belts that provide reliable sealing performance and are easy to reopen, use, and maintain.
- The unique configuration of three (Ø12.5 mm, Ø17 mm, Ø20 mm) cable O-rings allow users to flexibly choose according to the diameter of the optical cable used.
- The splice tray in the box and the independent insulated grounding device make the configuration and expansion of the fiber core and the grounding of the optical cable convenient and safe.
- The secondary optical cable fixing device makes the installation of optical cable more convenient.

***Image is for reference purposes only and does not represent the final product**

Ordering Information

OFSD - H - x - 2/2F - x

P for Pole Mounted or **W** for Wall Mounted

2 In 2 Out, F type

24 Max Cores or **48** Max Cores

Horizontal

Model Number	Description	Box Weight
OFSD-H-24-2/2F-P	Fiber Closure Horizontal Splicing type, 24 Cores Max, 24 Cores Splice Tray 2 IN 2 OUT Mechanical Splicing (with waterproof rubber ring) type F, Pole/Wall mounted	3.9 kg / 8.6 lbs
OFSD-H-48-2/2F-P	Fiber Closure Horizontal Splicing type, 48 Cores Max, 24 Cores Splice Tray 2 IN 2 OUT Mechanical Splicing (with waterproof rubber ring) type F, Pole/Wall mounted	3.9 kg / 8.6 lbs
OFSD-H-24-2/2F-W	Fiber Closure Horizontal Splicing type, 24 Cores Max, 24 Cores Splice Tray 2 IN 2 OUT Mechanical Splicing (with waterproof rubber ring) type F, Pole/Wall mounted	3.9 kg / 8.6 lbs
OFSD-H-48-2/2F-W	Fiber Closure Horizontal Splicing type, 48 Cores Max, 24 Cores Splice Tray 2 IN 2 OUT Mechanical Splicing (with waterproof rubber ring) type F, Pole/Wall mounted	3.9 kg / 8.6 lbs

Specifications

Performance	Value
Net Weight	2.5 kg (5.5 lbs)
Cable Ports	Two Cable Entry Ports on each end
Installation Methods	Aerial, Duct, and Buried Applications
Cable Diameter	Ø10 - 20
Capacity of Splice Tray	24 or 48 Single Fibers
Max Capacity of Splice Tray	6
Operating Temperature	-40 ~ +70 °C
Optical Fiber Winding Radius	≥ 40 mm
Extra Loss of Fiber Tray	≤ 0.01 dB
Fiber Length in Tray	≥ 1.6 m
Max Capacity	Fiber Capacity: Single: 144 cores
Lateral Pressure-Resistance	≥ 2000 N / 10 cm
Shock-Resistance	≥ 20 N.m

Packing List

Item	Quantity
Joint Case Main Body	1 piece
Spice Tray	1-6 (configure as needed)
Splice Bag	1 ~ 12 packs (configured on demand) (including heat-shrinkable tube, digital label, nylon cable tie, sandpaper)
Stainless Steel Accessory Kit	1 pack (including M5×30 bolts, 2 sets of nuts, 2 hooks, 12 Ø8 flat washers, 12 M8×35 stainless steel bolts, 8 M5×20 stainless steel bolts, 4 stainless steel cable fittings, and hexagonal inner handle 1)
Plastic Accessory Bag	1 pack (including 2 plugs, 8 Ø12.5 and Ø17 cable rings each)
Self-Adhesive Tape	Sealant (strip + roll): 1 box each

***Packing List May Vary

Installation

1. Choose the cable loop with proper outer diameter and let it go through the optical cable. Peel the cable take off of the outer and inner housing, as well as loosen the contract tube, and wash off the filling grease, leaving **1.1~1.6 m fiber and 30~50 mm of the steel core**.

2. Fix the cable pressing card and cable together with cable reinforce steel core. If the diameter of the cable is less than **10 mm**, first bind the cable fixing point with adhesive tape until the diameter has reached **12 mm**, then fix it.

3. Lead the fiber into the melting and connecting tray, fix the heat contract tube and heat melting tube to one of the connecting fibers. After melting and connecting the fiber, move heat contract tube and heat melt tube and fix the stainless steel (or quartz) reinforced core stick, make sure the connecting point is in the middle of the housing pipe. Heat the pipe to combine the two into one. Put the protected joint into the fiber-laying tray. (One tray can lay 24 cores)

4. Lay the left fiber in the melting and connecting tray evenly, and fix the winding fiber with nylon ties. Use the trays from the bottom up. After all the fiber has been connected, cover the top layer and fix it.

5. Position it and use the ground wire in accordance with the project plan.

6. Seal the cable retainer near the inlet of the splice closure and the joint of the cable rings with sealing tape. Close the unused inlets with plugs, with exposed concave parts of the plug sealed with tape. Then put sealing trips into the sealing groove on the sides of the shell and grease the concave part of inlet of the body between the two parts of the shell. Then close the two parts of the shell and tighten it with stainless steel bolts. The bolts should be screwed tightly with equal force.

7. Position and fix the hanging tool according to the layout requirement.