Dome Optic Splice Closure

KSDT-222R

Installation Guide

List of Contents

1. General Introduction

KSDT-222R is designed as a multi-functional equipment for optical cable splice which can be connected and branched out. It has 7 cable entries, one oval port and six round ports and it is suitable for pole-mounting and wall-mounting. This product has wide adaptability, good sealing performance and easy to be installed. The selected high strength engineering plastic material assure mechanical strength and superior protection from harsh environment, like aging, corrosion, temperature. With our relentless efforts in designing, developing and manufacturing high quality Splice closure products, you can rest assured that our products are your best option.

2. Dimension and capacity

Outside dimension (LxWxH, mm)	566mm×285mm
Weight(N.W.)	5678g
Number of inlet/out ports	7 optical entrance ports
Applicable cable (mm)	Max. Φ30（mm）
Max. splice capacity	1728F
Sealing type	Heat Shrink
Working temperature (°C)	-40°C~ +65°C
Insulation resistance	≥2×10⌒4MΩ

Note: If the diameter of the fiber is too big, please press down slightly and tighten the screw. If the diameter is less than 15 mm, please use sealing tape to increase the diameter or use the optional accessories that provided by our company.

3. Product illustration and accessories
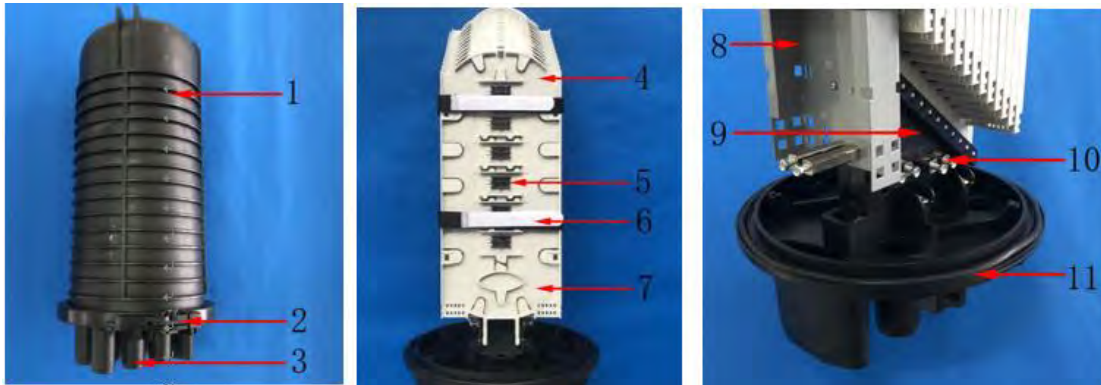
No.	Name	No.	Name	No.	Name
1	Cover	2	Hoop	3	Base
4	Tray	5	Splice holder	6	Velcro
7	Transparent panel	8	Aluminum plate	9	Bracket
10	CSM fastener	11	Sealing circle		

No.	Name	No.	Name
1	Splice protector	6	Branching clip
2	Sand paper	7	Cable tie
3	Aluminum foil paper	8	75/12 heat shrink tube
4	Desiccant	9	40/12 heat shrink tube
5	Insulation tape	10	Buffering tube

4·The process of installation

4.1　　　Preparation of Pre-operation

4.1.1 Check the splice closure type, cable item, and all components before installation

4.1.2 Keep all components dry and clean for installation.

4.1.3 Keep working environment clean (dry and no dust) and flat for installation.

4.1.4 Standard instruments and tools should be used during installing.

4.2 Operation of Optical Cable

4.2.1 Stripping optical cable jacket length 1.2 meters for cut cable (Picture 1), and 0.5 meter (Picture 2) or & 1.5 meters (Picture 3) for uncut cable.

4.2.2 Cut the reinforced core, length 5 cm. 。

Note：① Be sure not to damage fibers.

**　② If the cable is damaged, re-strip new cable.**

|		
1.2M	0.5M	1.5M
Picture 1	Picture 2	Picture 3
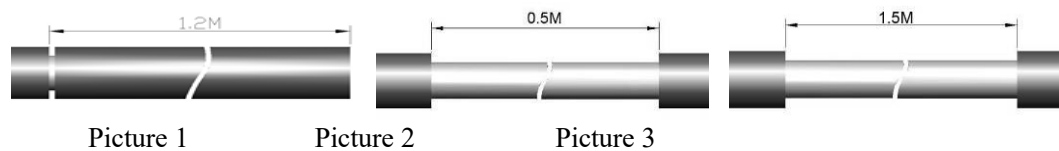
4.3 Installation Process

4.3.1 Saw off the oval and round ports on the base and take off the hoop. And prepare 1 cut cable and 1 uncut cable.

4.3.2 Use sand paper to polish the surface of the ports. Wrap up the heat shrink tubes, then pass the cut and uncut cables into the closure from the heat shrink tubes.

4.3.3 Stick the aluminum foil paper on the cable, then install the branching clip and use the heat shrink tool to heat shrink the tube. Then, fasten the CSM fastener and put the remaining fibers into the aluminum plate.
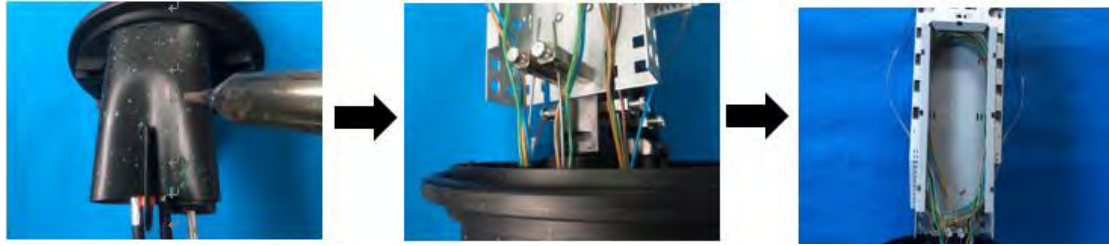
4.3.4 Put the required fibers of these two cables into buffering tubes, then put them into trays and fix them with cable tie. Manage the fibers in the tray and lead them through splice protectors to splice.

4.3.5   Put on the transparent panel, velcro, cover and the hoop. Complete the installation.

5. Box sealing
① Make sure the splice tray is installed properly and fiber route meets the bending radius of optical fiber.
② Make sure every part inside the box has been fastened.
③ Control the amount of seal tape within a proper range.
④ Seal fitting is installed neatly and smoothly.

6. Service

Should you have any questions or suggestions, please do not hesitate to contact your local supplier

or contact us. We will provide you with the best service in time.

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