Version **HTSC-143 V1.0**

Technical Specification

Fiber Optic Splice Closure

HTSC-143

Customer Approval			
	Name	**Signature**	**Date**
Approved by			

Contents

1. General

1.1 Description

Fiber optic splice closure is mainly applicable to the straight-through and branching of aerial cables, buried cables and duct cables, as well as the protection on cable joints.

Production type	Classification
HTSC-143	Fiber optic splice closure

Appearance of HTSC-143

1.2 Standards Comply

The product is designed, manufactured and tested according to the standards as follows:

ITU-T L.13	Performance requirements for passive optical nodes: Sealed closures for outdoor environments

1.3 Applications Environment

Item	Value
Operation temperature	-40 ºC ~ +65 ºC
Installation temperature	-15 ºC ~ +40 ºC
Storage temperature	-45 ºC ~ +75 ºC

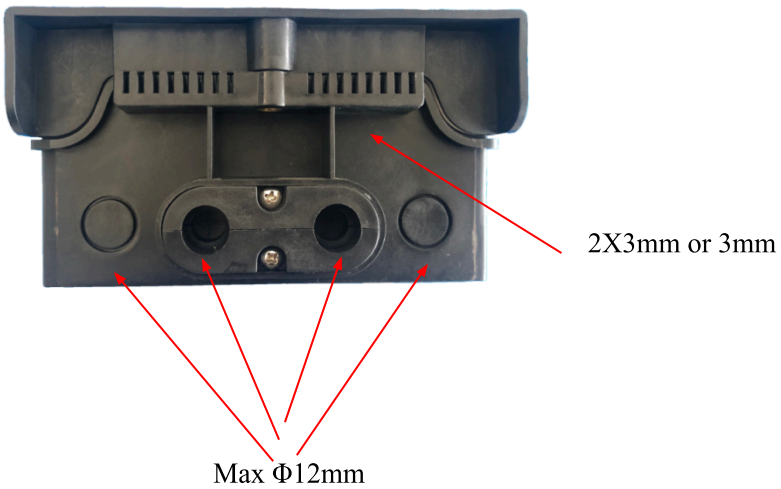
2. Characteristics

May be used for cut, uncut and taut sheath applications.
May be used for all fiber optic cable.
Sheath retention & central strength member fasten system included.
Ribbed closure construction and lightweight plastic provides strength and resistance to chemical and U.V attack
Installation and reentry with a minimum of tools
Re-enterable and reusable
All hardware are included
RoHS compliance

3. Specifications

3.1 Mechanical specifications

Item	Specifications	Note
Material of housing	High-strength PP+GF	
Material of internal components	High-strength ABS	
Material of metal accessory	High-quality stainless steel	
External dimension(mm)	280*182*102	
Color	Black	
Number of distribution cable ports	4	
Number of drop cable ports	16	
Main Cable Ports	4 cable ports: (2 rubber seal ports, 2 cable gland ports) for 1 cable with max 12mm. 16 drop cable ports: for 1 cable with diameter 3mm or 3x2mm.	
Fiber cable dimension of drop port(mm)	2*3MM	
Capacity(Max)	16 Splices	
Max quantity splitter	1x4,1x8, 1x16 PLC splitter	
simplex adaptors	16	

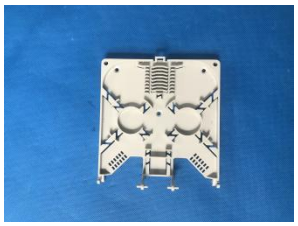


3.2 Optical specifications

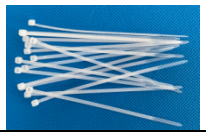
Item	Test Method	Specification	Note
Insertion loss(dB)	IEC61300-3-4-Method B	Mean≤0.1dB · Maximum≤0.3dB	
Return loss(dB)	IEC61300-3-6-Method 1	APC≥60dB · UPC≥50dB	
Random connection	IEC61300-3-4	Mean≤0.15dB · Maximum≤0.3dB	
Splitter		Refer to insert type splitter technical specification	
Repeatability	IEC 61300-2-2 500 cycles	During the test the difference between the initial measurement and each of the measurements after one cycle must be less than 0.20 dB, and should be cleaned otherwise, with a limit of 25 cleanings	

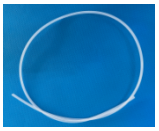
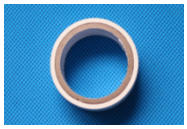
4. Configuration

4.1 Optical splice trays

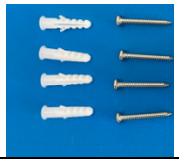
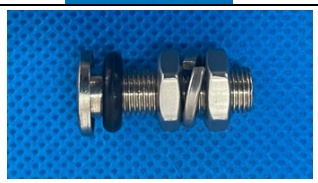
No	Model	Pic	Capacity	Note
1	T092A		16F(2 layer)	

4.2 Accessory section

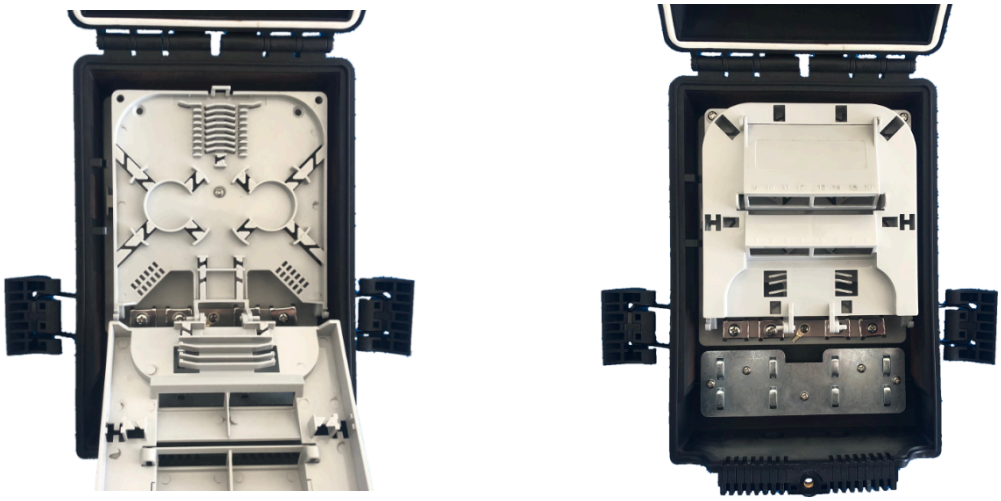
No.	Name	Reference picture	Quantity	Remark
1	Heat-shrinkable protection sleeve	 	1 bag	L=45mm
2	Nylon cable tie		16 pcs	L=120mm

3	Buffer tube for bunchy fiber		n pcs	Each piece: OD=4.5mm, L=50cm QTY: n=trays number
4	Installation tape		1 roll	
5	Hose hoops		4pcs	
6	Sealing tape		1 rolls	Black
7	Installation manual		1pc	English

4.3 Optional Accessories

No.	Name	Model	Reference picture	Quantity	Remark
1	Pole-mounting kit	BZ13		1 set	
2	Wall-mounting kit			1 set	
3	Earthing deriving device			1pc	

5. Product Picture



HTSC-143 product picture

6. Package

Standard	Double corrugated carton, 580*325*450 mm, 10 in carton, about 15 Kg.