

# PUYESH

Instruction Manual

دليل الاستخدام

## Splice Closure For Optical Fiber Cable

إغلاق لاصق كابل الألياف البصرية

Model : PU SS

[www.irpuyesh.com](http://www.irpuyesh.com)

Puyesh Tajhiz Sanat Pasargad

## Specification :

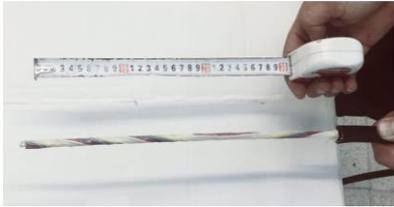
Type	Length×Width×Height	Capacity
SS	13.6"×7.3"×5.1"(345×187×130,mm)	48C
S	17.7"×7.3"×5.1"(450×187×130,mm)	72C
M	17.7"×7.3"×6.5"(450×187×166,mm)	144C

## Components:



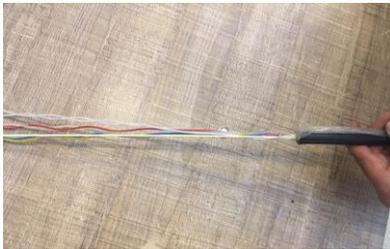
- |                            |                       |
|----------------------------|-----------------------|
| 1.Upper case               | 9.Hot Crimp(optional) |
| 2.Lower case               | 10.Sealant            |
| 3.Side Gasket              | 11.Vacuum Graase      |
| 4.End Gasket               | 12.Cable Tie          |
| 5.Protection Tube          | 13.Hose Clamp         |
| 6.Inner Bracket            | 14.Air Check Valve    |
| 7.Grounding Wire(optional) | 15.Sanding            |
| 8.Splice Tray              | 16.Instruction Manual |
| 7. Splice Tray Band        |                       |

## 1.Sheath Removal

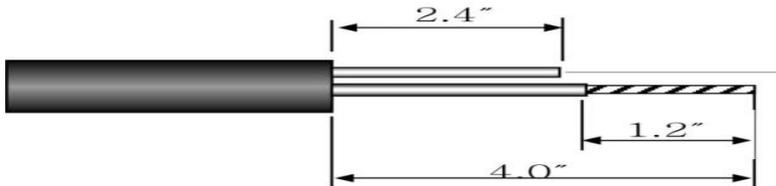


Cut the cable about 23.6"(60cm) from the cable-end and remove about 59" (150cm) of the cable sheath. Especially for loop network installation, remove about 98.5" (250cm)of the sheath.

## 2.Cable preparation



Cut the central strength member 4"(10cm) from the sheath end and remove 1.2" (3cm)of polyethylene sheath Cut the loose tube 2.4"(6cm) from the sheath end and clean the fibers with alcohol.



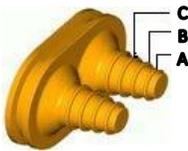
## 3.Spread of vacuum grease.



Spread the vacuum grease evenly on the gasket groove of the closure after cleaning it.

**(Note)Keep the gasket groove cleaning until closure**

## 4. End-Gasket cutting.



By each cutting point in the chart below, cut the port of end-gasket.

cutting point	Applicable exterior diameter in(mm)
A	$\phi 0.35 \sim \phi 0.60 (\phi 9 \sim \phi 15)$
B	$\phi 0.61 \sim \phi .87 (\sim \phi 22)$
C	$\phi .88 \sim \phi 1.06 (\sim \phi 27)$

## 5. Passage of cable in end-gasket.



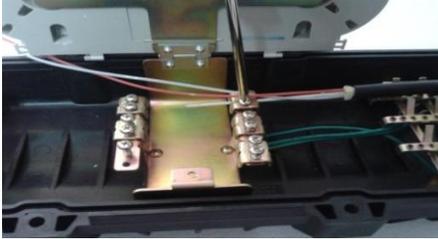
Pass the fibers through protection tube and make protection tube overlap 0.8"(2cm) of loose tube and passing the cable through end-gasket as on the picture left.

## 6. Separation of fixed bracket.



Unscrew the bolt on the bracket inside the closure and flip over the tray.

## 7.Strength member clamping.



Put end-gasket and cable on the lower case and tie central strength member to the bracket.

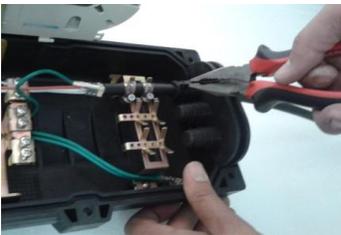
## 8.cable clamping.



clamp the cable on the bracket with hose clamp .Before covering upper case ,tighten the hose clamp with a screw once again.

- (Note)** 1.The torque of hose clamp should be less than 4 N.m  
2.Before covering upper case ,retighten the hose clamp with the same torque.

## 9.Tying around the port of the end-gasket.



Tie around the port of the end-gasket with two cable-ties.

## 10.Fixture of tray



Place a tray on the bracket and then fix it with bolts.

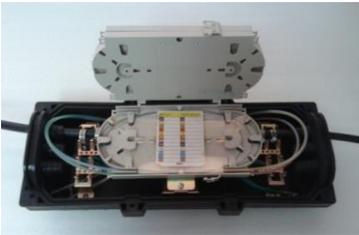
## 11.Splicing and fiber arrangement.



After splicing , apply splice - sleeves to the point of splicing and place them for each lane on the tray and then arrange the rest bundle of fiber in the tray.

(Note)Bending radius of rest bundle must be over 1.5"(38mm).

## 12.Tray stacking.



Place a tray on the bracket and then fix it with bolts.

## 13.Fixture of trays



After splicing fibers and stacking trays , tie around the trays.

## 14.Gasket fixture



Place the side - gasket into the groove on lower case.during this step , spread **grease** on the point .where side - gasket and end - gasket meet.

## 15.closure assembly



Be careful for side - gasket not to protrude out of groove or fold , put the upper case on the lower case and then tighten all bolts in diagonal order.

**(Note) The mounting torque should be less then 5 N.m.**

## 16.Sealing condition inspection



Inject air into closure in 6psi or less pressure and smear soapy water around the closure - connection line and see if sealing is secured.

## \*.Sticking operation.(if necessary)



cut the port of end-gasket by exterior diameter of each cable before cutting a edge of end-gasket at the angle of 45 degree , making the cross section plain.

# PUYESH

Contact us for more  
information :  
اتصل بنا لمزيد المعلومات:

- Call: 0098 9121263960
- instagram: puyesh\_tajhiz
- Email: puyeshtajhiz@yahoo.com

[www.irpuyesh.com](http://www.irpuyesh.com)

**Puyesh Tajhiz Sanat Pasargad**