

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 1 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

PRELIMINARY

TABLE OF CONTENTS

<u>Section:</u>	<u>Page no.</u>
1. OCTIS SFP PLUG KIT ASSEMBLY	2
2. OBJECTIVE.....	2
3. SCOPE	2
4. GENERAL	2
5. DRAWINGS AND APPLICABLE DOCUMENTS	3
6. APPLICATION REQUIREMENTS	3
7. PIECE PARTS DETAILS	3
8. THE PLUG KIT ASSEMBLY PROCEDURE.....	4
9. REVISION RECORD	13

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 2 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

1. OCTIS PLUG KIT ASSEMBLY - SFP

AFCI SFP Plug kit Part Number 10135746-101LF
(Transceiver and LC Duplex cable are excluded from the kit)

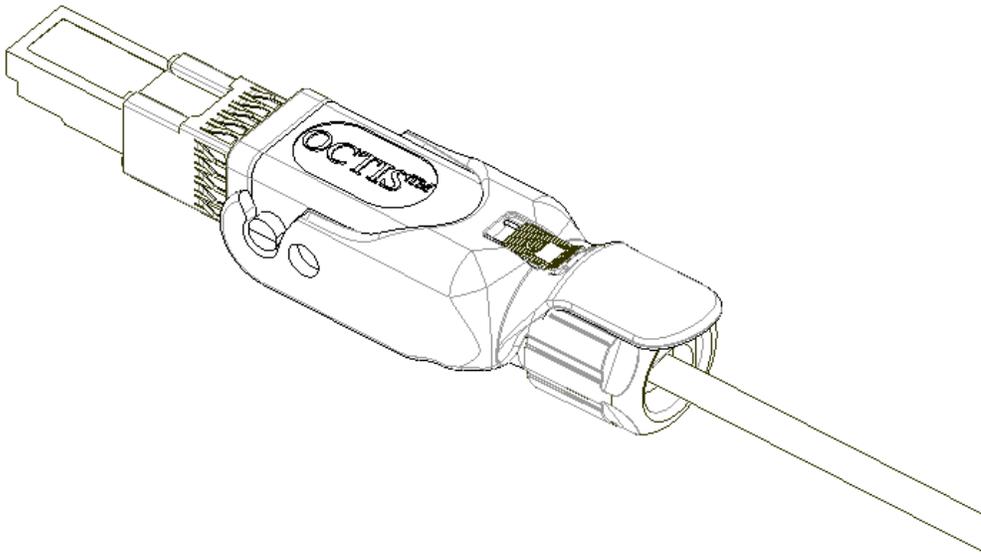


Figure 1

2. OBJECTIVE

This specification provides information and requirements for customer application of the OCTIS SFP plug kit assembly. It is intended to provide general guidance for application process development. It should be recognized that no single process will work under all customer applications and that customers should develop processes to meet individual needs. However, if the process varies greatly from the recommended one, AFCI cannot guarantee acceptable results.

3. SCOPE

This specification provides information and requirements on the assembly of the OCTIS SFP plug kit (AFCI part number: 10135746-101LF) at customer premises.

4. GENERAL

This document is a general application guide. If there is a conflict between the product drawings and this specification, the drawings take precedence.

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 3 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

5. DRAWINGS AND APPLICABLE DOCUMENTS

AFCI product drawings and specifications are available by accessing the AFCI website or contacting the AFCI Technical Service. In the event of a conflict between this specification and the product drawing, the drawing takes precedence. Customers should refer to the latest revision level of AFCI product drawings for appropriate product details.

- Product Specification GS-12-1141 (SFP+ board connector)
- Application specification GS-20-0385 (SFP+ board connector)
- SFP Board connector Part Number - 10122424-X01LF
- SFP Board connector CAGE - 10133694-101LF
- SFP Plug kit assembly Part Number - 10135746-101LF

6. APPLICATION REQUIREMENTS

- Plug kit supplied by AFCI
- Standard LC Duplex cable assembly and SFP/SFP+ transceiver available in the market

7. PIECE PARTS

Necessary piece parts and sub assemblies to make OCTIS SFP plug kit assembly is shown below:

- a. Parts supplied as a part of the Octis SFP field terminable plug kit , Fig 2A
 - a. Gland nut
 - b. Split tightening cone
 - c. Split rubber gland
 - d. Housing sub set kit
 - e. Holder sub set kit

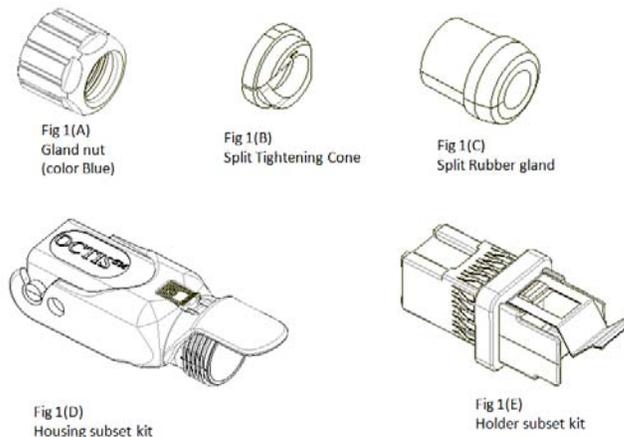


Figure 2A

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 4 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

- b. Other parts required for the plug cable assembly , Fig 2B
 - a. LC duplex cable assembly
 - b. SFP/SFP+ Transceiver

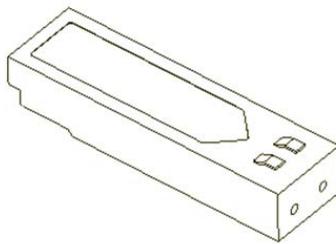


Fig 1(G)
SFP Transceiver
(Fig shown is for ref)

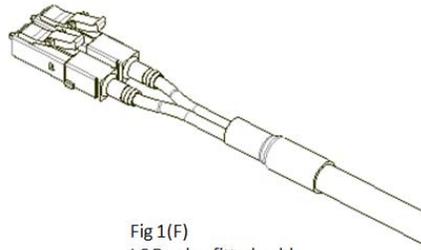


Fig 1(F)
LC Duplex fitted cable

Figure 2B

8. APPLICATION PROCEDURE

8.1. *SFP OCTIS ASSEMBLY*

8.1.1. Pre assembled LC Duplex cable

1. Keep the pre-assembled LC Duplex cable assembly (Fig 3) ready. (diameter of cable is in the range of 5 to 7mm)



Figure 3

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 5 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

2. Insert the gland nut through the front end of LC Duplex assembly (Fig 4).

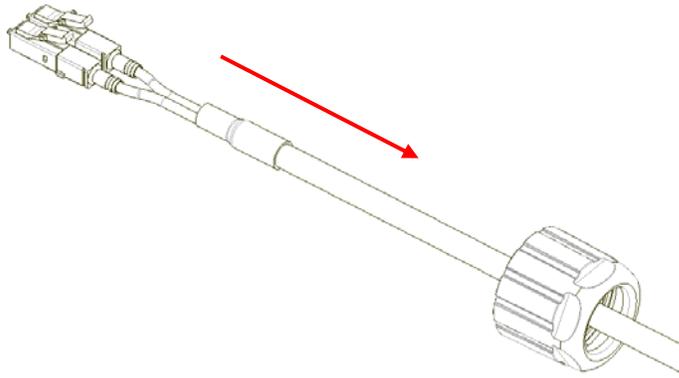


Figure 4

3. Insert the “split tightening cone” from side of the cable (Fig 5).

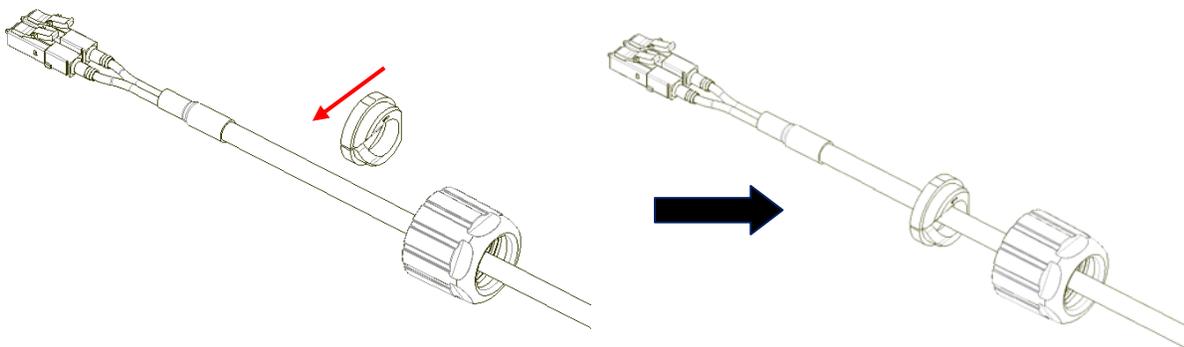


Figure 5

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 6 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

1. Insert the “split rubber gland” from side of the cable (Fig 6). (Inner diameter of rubber gland is in the range of 6 to 8mm)

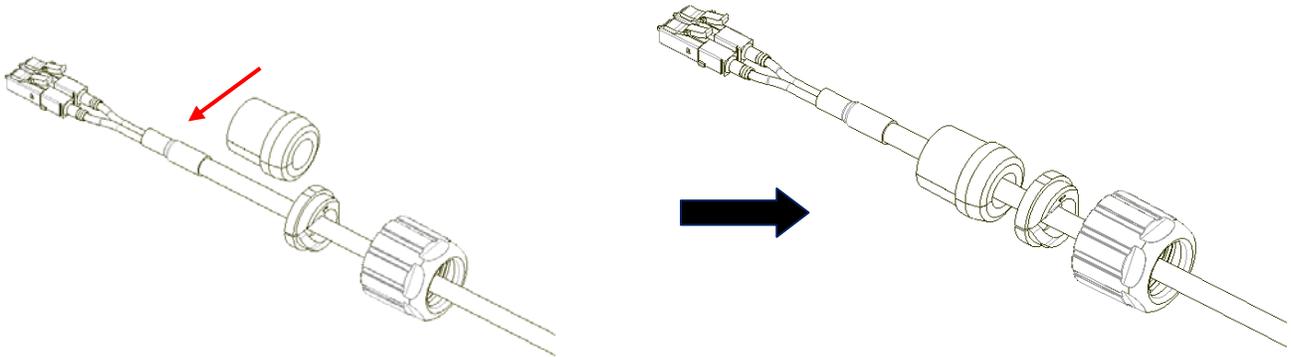


Figure 6

2. Insert the housing subset kit from the front end of LC Duplex cable (Fig 7)

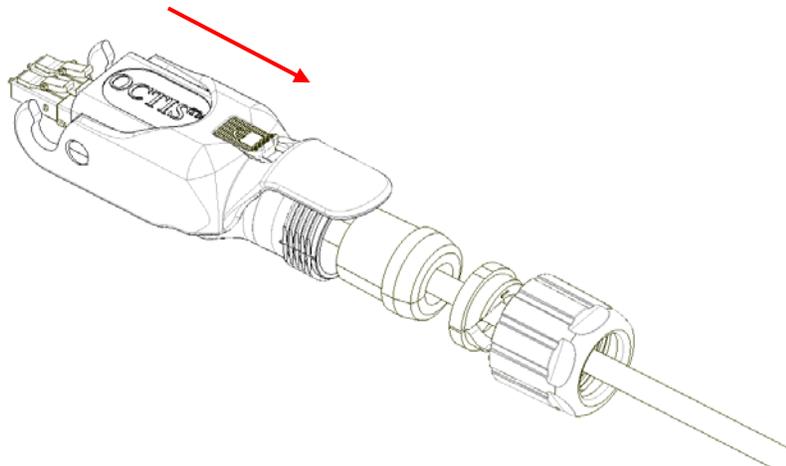


Figure 7

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 7 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

3. Fix the LC Duplex cable into the transceiver (Fig 8) .Can hear a click sound

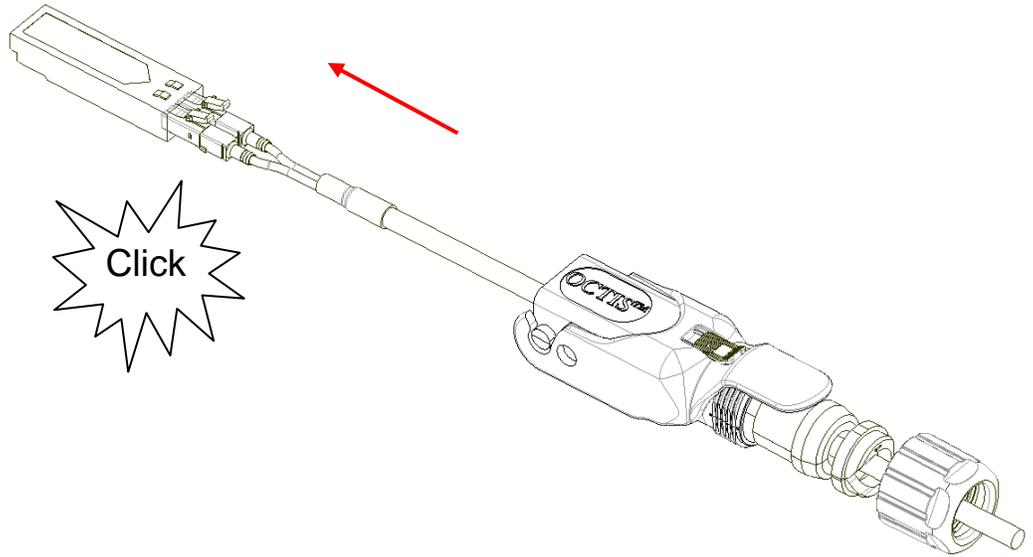


Figure 8

4. Insert the holder subset kit from the front end of transceiver fitted cable side. (Fig 9A & 9B)

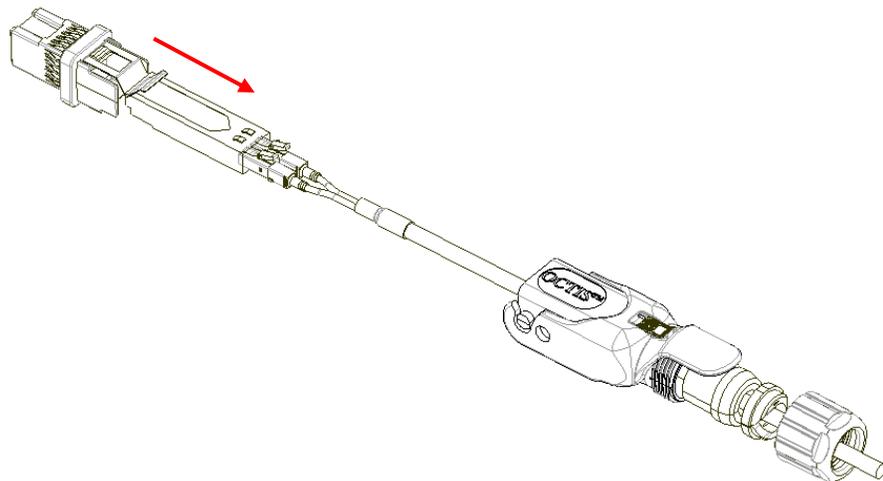


Figure 9A

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 8 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

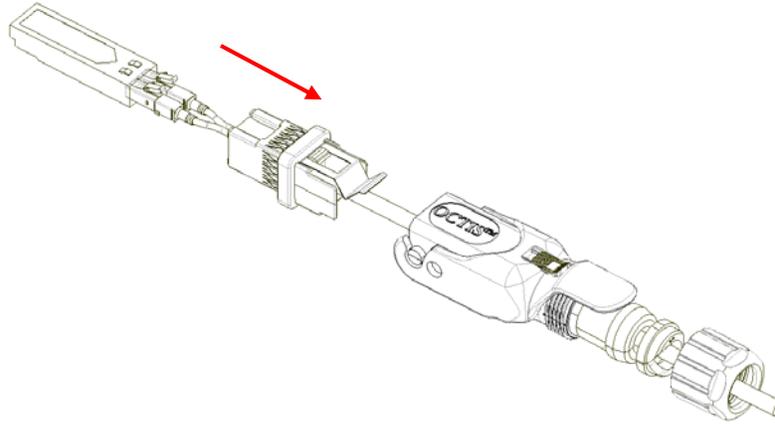


Figure 9B

5. Fix the holder subset kit into the housing subset kit (Fig 10). Can hear a click sound

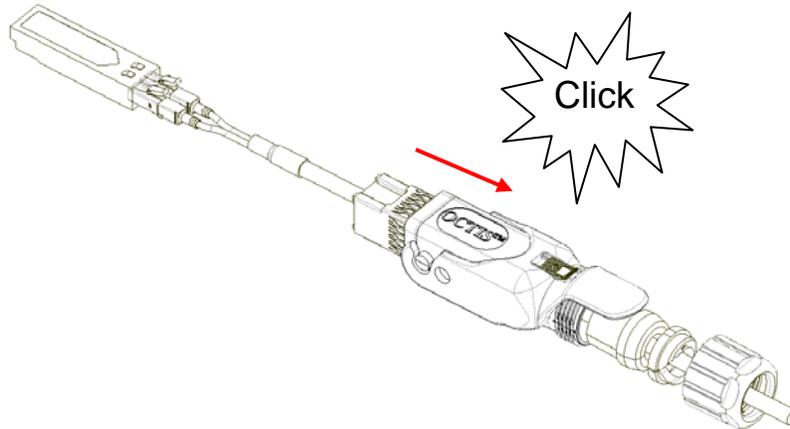


Figure 10

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 9 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

6. Fix the holder subset kit with the transceiver. (Fig 11). Can hear a click sound

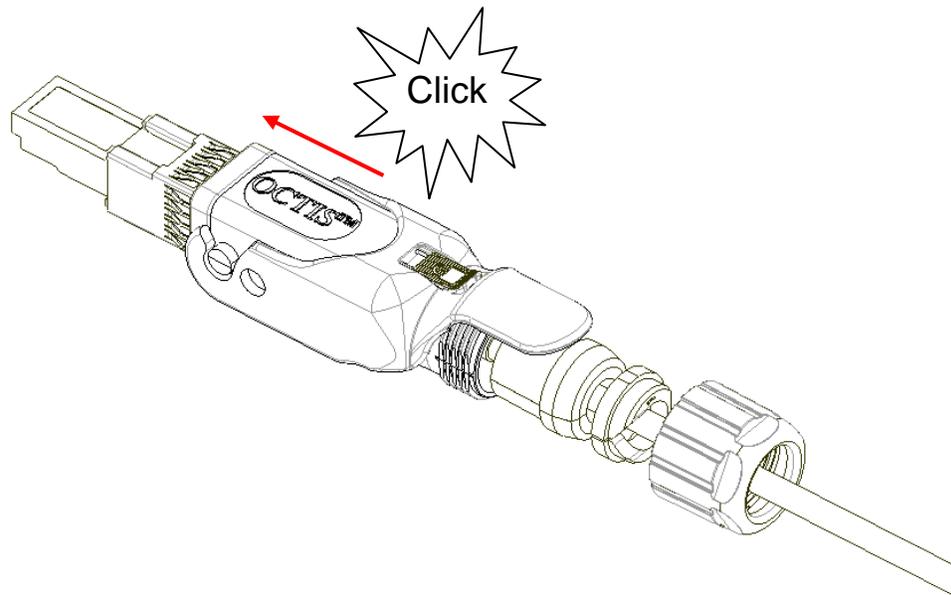
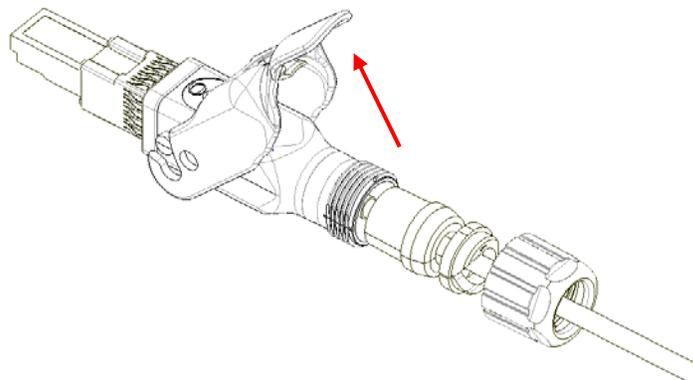


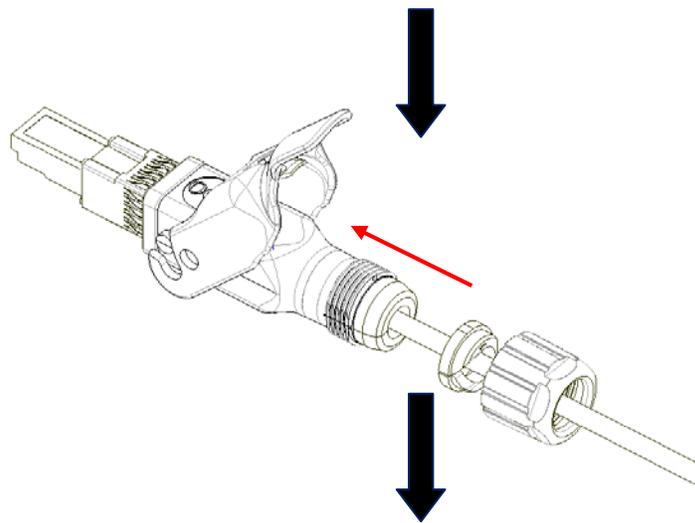
Figure 11

7. Lift slightly the lever of housing subset kit so that the rubber gland, tightening cone and gland nut can be fitted/tightened properly. (Fig 11A to 11D)

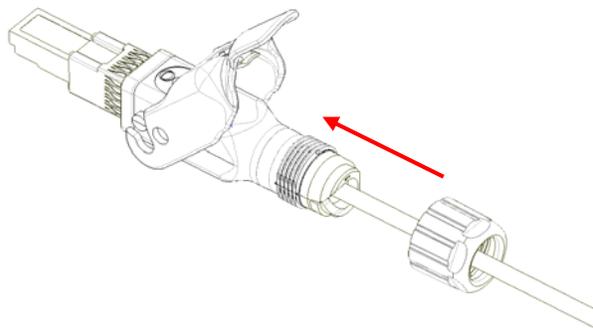


NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 10 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

**Figure 11A
(Open the lever)**



**Figure 11B
(Push and fix the rubber gland)**



**Figure 11C
(Push & fix the tightening cone)**

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 11 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

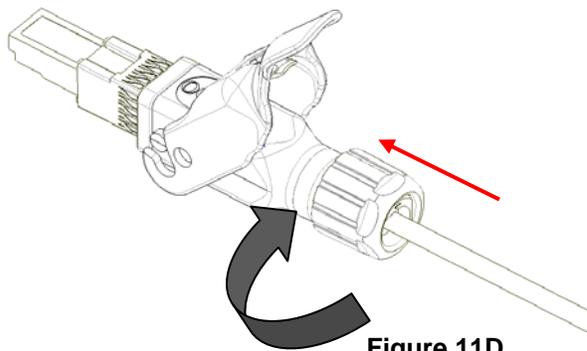


Figure 11D
(Tighten the nut using
Wrench 21mm flat
Torque – 2 to 2.5N)

8. Close the lever and push the red button towards the back so that lever can't be lifted. Lever can be lifted only after pushing the red button towards front. (Fig 12A to 12B)

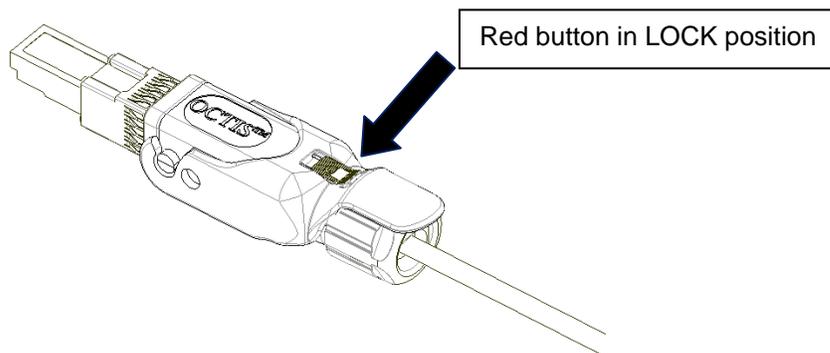


Figure 12A

NUMBER GS-20-0489	CATEGORY APPLICATION SPECIFICATION	Amphenol FCI	
TITLE OCTIS PLUG KIT ASSEMBLY – SFP		PAGE 12 of 12	REVISION A
		GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 10/31/16
		APPROVED BY BIJU K PAUL	
		CLASSIFICATION : UNRESTRICTED	

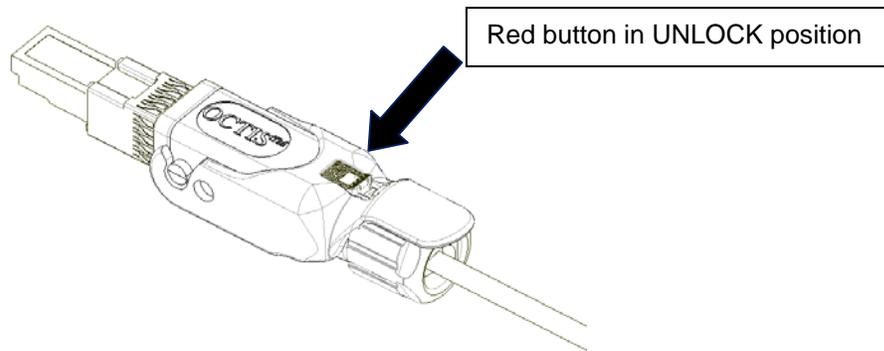


Figure 12B

9. REVISION RECORD

REV	PAGE	DESCRIPTION	EC #	DATE
A	All	NEW DOCUMENT	-	2016-10-31