NUMBER	CATEGORY	Amphenol FCi
GS-20-0486	APPLICATION SPECIFICATION	

TITLE	PAGE	REVISION
OCTIS PLUG KIT ASSEMBLY – RJ45	1 of 10	B
	GUARDIAN (VERIFIED BY) S ALOSIUS	DATE 2021-08-03
	APPROVED BY SANOJ P KURIAKOSE	
	CLASSIFICATION : **UNRESTRICTED**	

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1. OCTIS PLUG KIT ASSEMBLY – RJ45

Amphenol FCI RJ45 Plug kit Part Number - 10135742-101LF
(RJ 45 connector is not included in the kit)

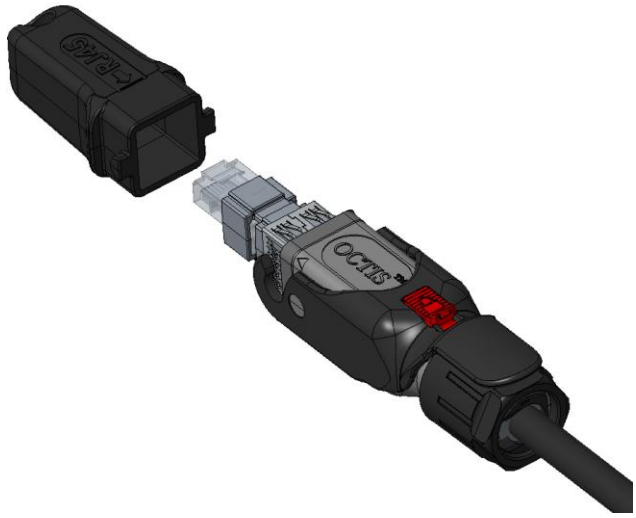

Figure 1

2. OBJECTIVE

This specification provides information and requirements for customer application of the OCTIS RJ45 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 RJ45 plug kit (AFCI product number: 10135742-101LF) 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.

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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.

- Amphenol Part Number for Board connector (for REF) - RJHSE-5380 & RJHSE-5480
- AFCI RJ45 Plug kit assembly Part Number - 10135742-101LF

6. APPLICATION REQUIREMENTS

- Plug kit supplied by AFCI
- Suitable RJ 45 cable assembly and board connector available in the market.

7. PIECE PARTS

Necessary piece parts and sub assemblies to make OCTIS RJ45 plug kit assembly is shown below:

a. Piece Parts supplied with the OCTIS RJ45 field terminable plug kit (AFCI Part Number: 10135742-101LF).

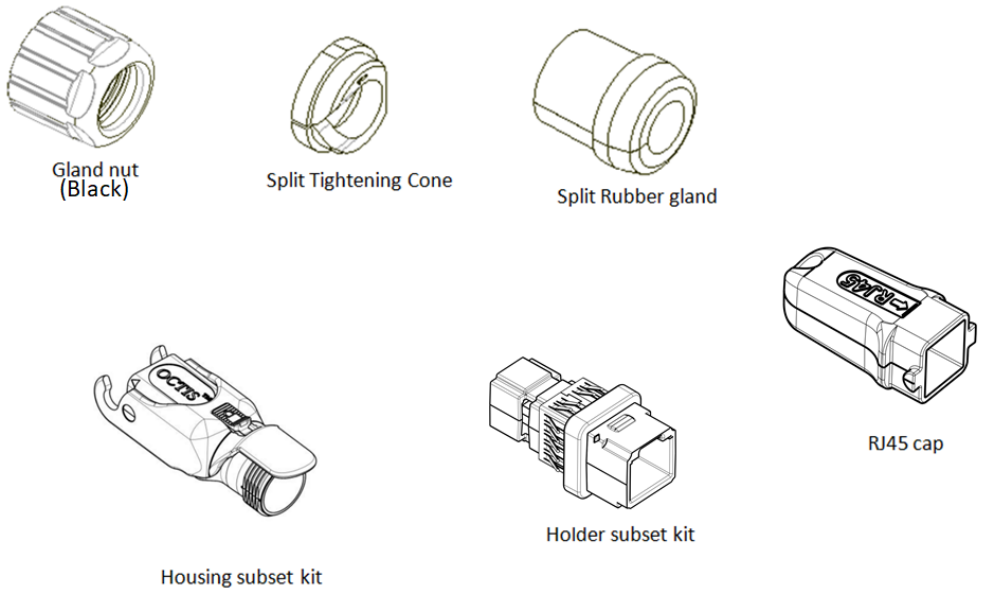

Figure 2

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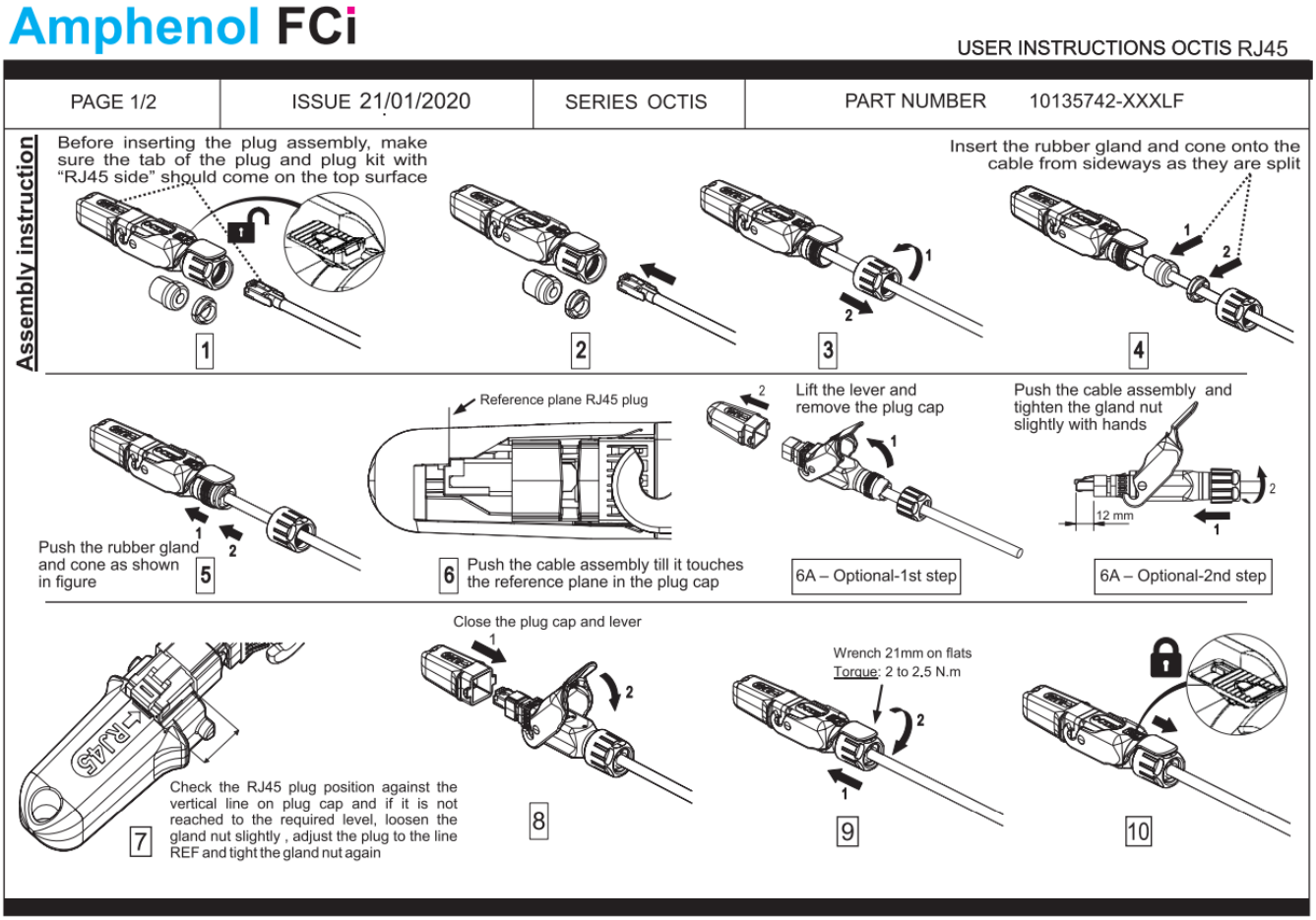
8. APPLICATION PROCEDURE

8.1. Assembly instruction - OCTIS RJ45 tab up plug assembly pitch 26mm



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8.2. Mating instruction - OCTIS RJ45 tab up plug assembly pitch 26mm

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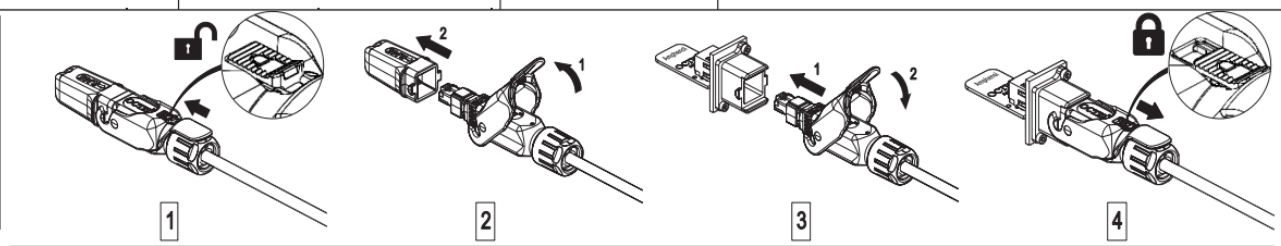
USER INSTRUCTIONS OCTIS RJ45

PAGE 2/2	ISSUE 21/01/2020	SERIES OCTIS	PART NUMBER 10135742-XXXLF

Mating instruction



ΦD Diameter under the grommet, including any sleeve or boot	Recommended gland size	Recommended cone size
From 4.8 min to 5.8Max	"6"	10mm
From 5.8 min to 6.8Max	"7"	
From 6.8 min to 7.8Max	"8"	
From 7.8 min to 8.8Max	"9"	
From 8.8 min to 9.8Max	"10"	
From 10.3 min to 11.3Max	"11.5"	11.5 mm

**Cable Diameter under the gland. If the cable has a sleeve, the diameter over the sleeve should be considered*
The tolerances of ΦD should be taken into account to make sure it is always within the specified range

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8.3. Assembly instruction - OCTIS RJ45 Tab Down plug assembly pitch 26mm

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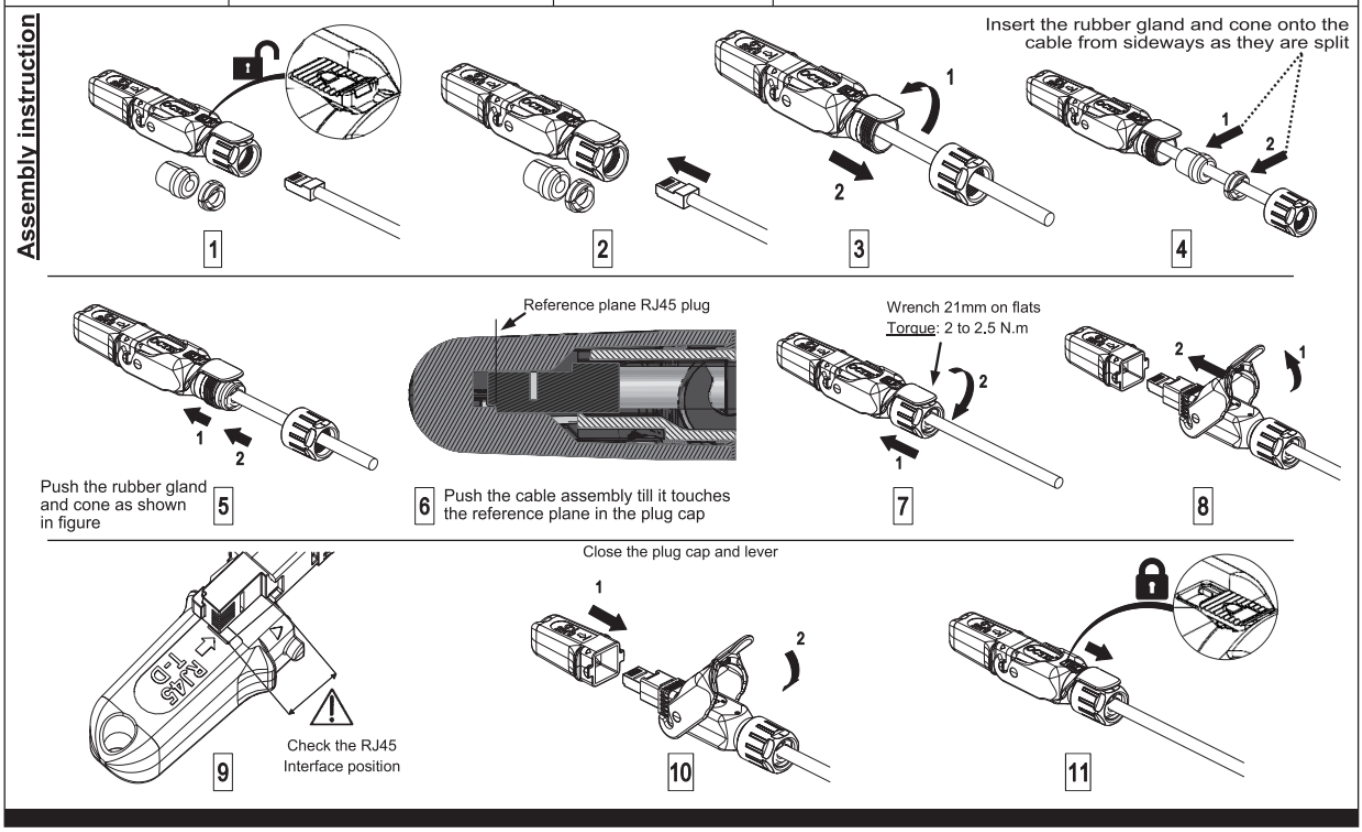
USER INSTRUCTIONS OCTIS RJ45 TD

PAGE 1/2	ISSUE 14/03/2020 Rev A	SERIES OCTIS	PART NUMBER 10143848-10XLF/10143848-10XNLF



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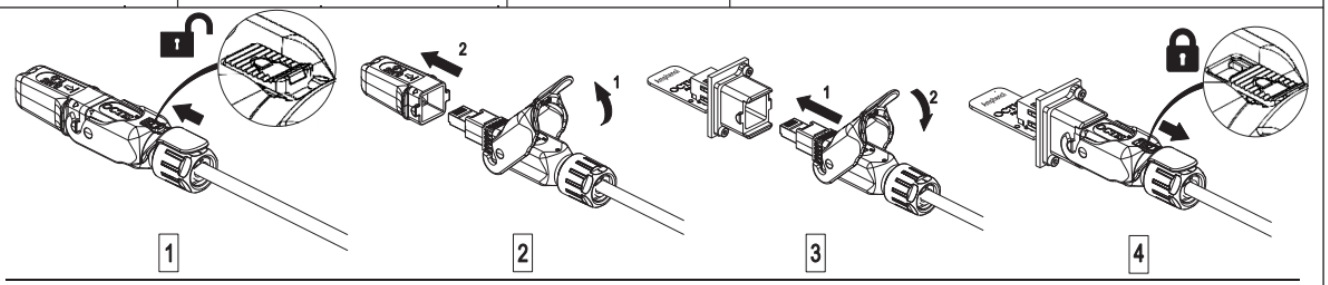
8.4. Mating instruction - OCTIS RJ45 Tab Down plug assembly pitch 26mm

Amphenol FCi

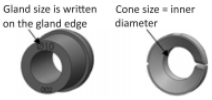
USER INSTRUCTIONS OCTIS RJ45 TD

PAGE 2/2	ISSUE 14/03/2020 Rev A	SERIES OCTIS	PART NUMBER 10143848-10XLF/10143848-10XNLF

Mating instruction



ΦD Diameter under the grommet, including any sleeve or boot	Recommended gland size	Recommended cone size
From 4.8 min to 5.8Max	"6"	10mm
From 5.8 min to 6.8Max	"7"	
From 6.8 min to 7.8Max	"8"	
From 7.8 min to 8.8Max	"9"	
From 8.8 min to 9.8Max	"10"	
From 10.3 min to 11.3Max	"11.5"	11.5 mm



*Cable Diameter under the gland. If the cable has a sleeve, the diameter over the sleeve should be considered
The tolerances of ΦD should be taken into account to make sure it is always within the specified range*

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8.5. Assembly instruction - OCTIS RJ45 tab up plug assembly pitch 35mm

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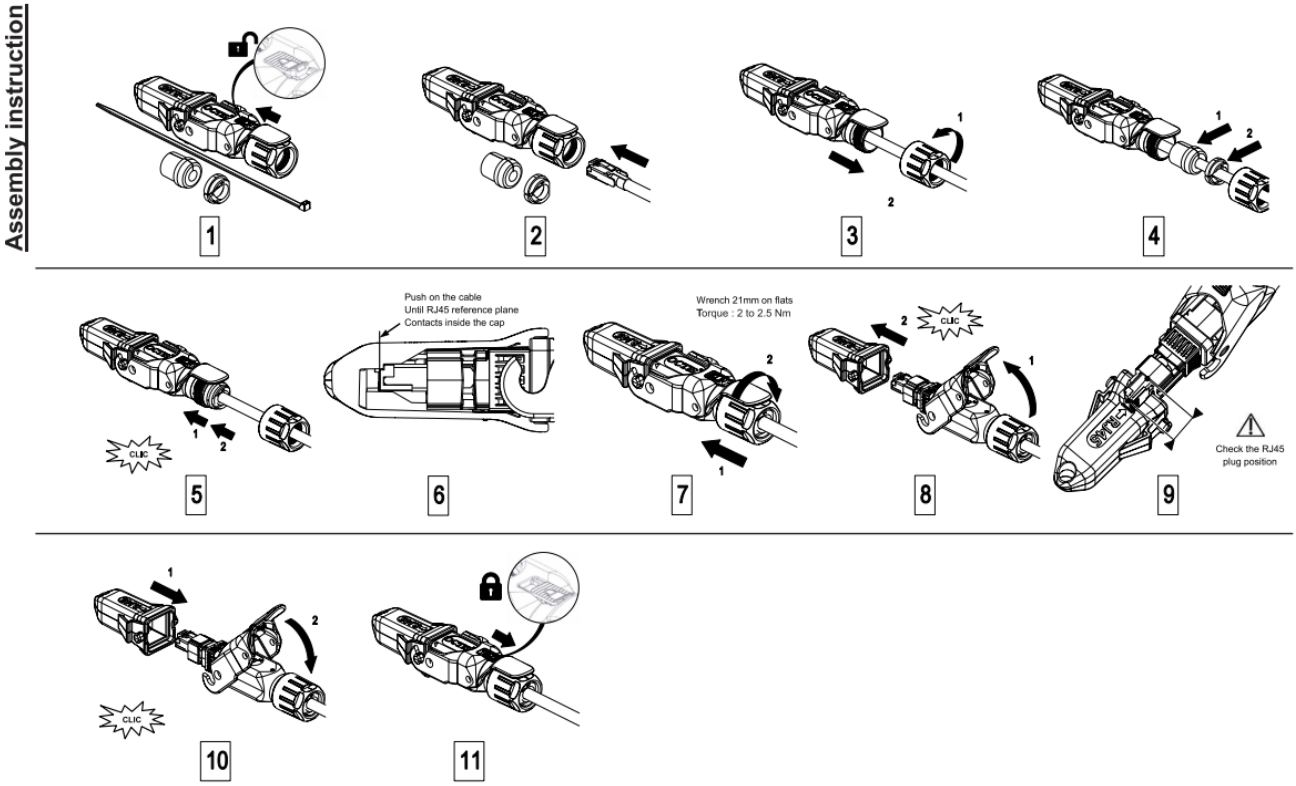
USER INSTRUCTIONS OCTIS RJ45 PITCH 35

PAGE 1/2	ISSUE 29/09/2020	SERIES OCTIS	PART NUMBER 10135745-XXXLF

Assembly instruction



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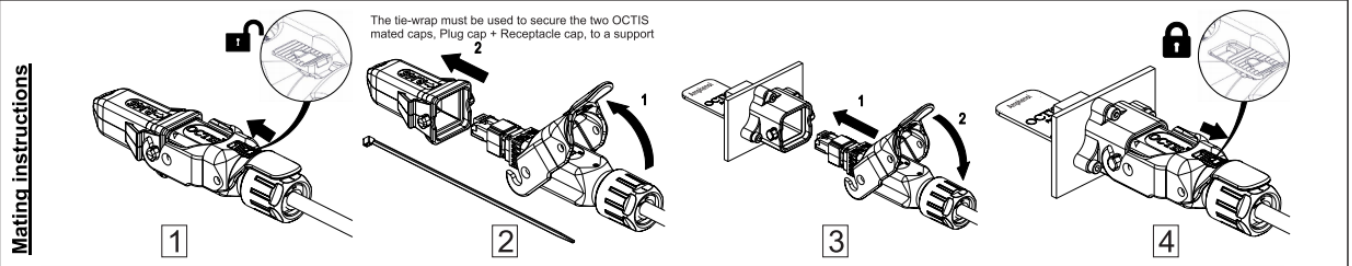
8.6. Mating instruction - OCTIS RJ45 tab up plug assembly pitch 35mm

Amphenol FCi

USER INSTRUCTIONS OCTIS RJ45 PITCH 35

PAGE 2/2	ISSUE 29/09/2020	SERIES OCTIS	PART NUMBER 10135745-XXXLF



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9. REVISION RECORD

REV	PAGE	DESCRIPTION	EC #	DATE
A	All	NEW DOCUMENT	-	2016-10-31
B	All	MODIFIED WITH ADDING USER INSTRUCTION SHEETS	ELX-I-41906	2021-08-03

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