DATE. Jul. 8, 2022

No. SPPU-11047 (1)

PNJHC-0278-25-07B PNJHC-0278-24-07B

# **SPECIFICATION**

**FOR** 

LCLC-ADPC-[length]-SMC20

For "NEC"

提出仕様書No.
Fujikura Specification No.
(Proposed to customer)

仕様書がない場合には斜線 を入れること。(空欄にしない)
In the absence of Fujikura/Customer specifications, fill an oblique line in the column. (Don't leave the column blank.)

Prepared by K. Sawada

Approved by H. Hishikawa

Fiber Optics Components Department Optical Component Division Manager,

Fiber Optics Components Department
Optical Component Division

# Fujikura Ltd.

#### 1. General

1.1 Products Covered by this Specification

This specification covers LC/ADPC-LC/ADPC jumper cord (single mode).

1.2 Product Type

LCLC-ADPC-[length]-SMC20

- 2. Specifications
- 2.1 Appearance

There should be no damage, scratch and dirt on the products when visually checked.

2.2 Physical Dimensions

The physical dimensions are shown in Fig. 1.

2.3 Components and Materials to be Used for the Products

The product shall be made from the components and materials stipulated in Table1.

Table 1

Component or Material	Description	Q' ty	Remarks
SMC10/125-S (single mode)	Optical fiber cord JAS-00603*	Lm	Nominal 2.0mm: yellow
LC connector for SM (with LC ferrule)	IEC61754-20, for φ2.0, PNJHY-0048-22-03*/SPSU-1032 9(*), Adamant	2	Housing: Blue Boot: White Crimp sleeve: Yellow (C-09-1001-0A)

Note) All materials must be RoHS compliant.

Connector Cap materials must be PETP, PP or TPE. Don't use PVC cap.

\*: latest version

2.4 Specifications and Measurement conditions of Optical characteristics

The product shall meet the optical characteristics under measurement condition specified in Table 2.

Table 2

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Parameters	Condition	Spec.	Wave-length	Remarks	
Insertion loss	LC connector	≦0. 2dB	1 21	Polishing: ADPC	
Return loss	LC connector	≧44dB	1. 31 μ m		
Fiber height	Ferrule endface	-50 <b>~</b> +100 n m			
Radius of Curvature	Ferrule endface	7 <b>~</b> 25mm			
Apex Offset	Ferrule endface	≦50 μ m			

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Endface	Ferrule endface	PNJHA-0038-40-46/	
		ISQA-10002	
		(latest version)	

### 3. Test Report

The following items shall be included in the test report.

The test report shall be provided as electric data using Excel by E-mail.

#### 3.1 Product Type

The specific Product Type shall be recorded.

#### 3.2 Specification number

The specification number that is applied to the products shall be recorded.

#### 3.3 Serial Number

The serial number of the each product shall be recorded in the test report.

#### 3.4 Optical data

Optical data of the each product measured according to 2.4 shall be recorded.

#### 3.5 Product length

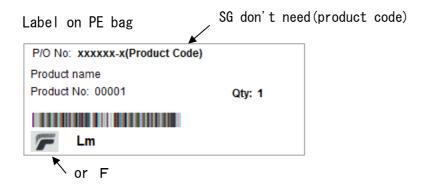
The length of one product per lot shall be recorded in the test report.

#### 4. Packaging

Follow the following specification for packing.

PNJHA-0038-25-01 (latest version): Method of packing

PNJAA-0007-36-02(latest version): Packing specification



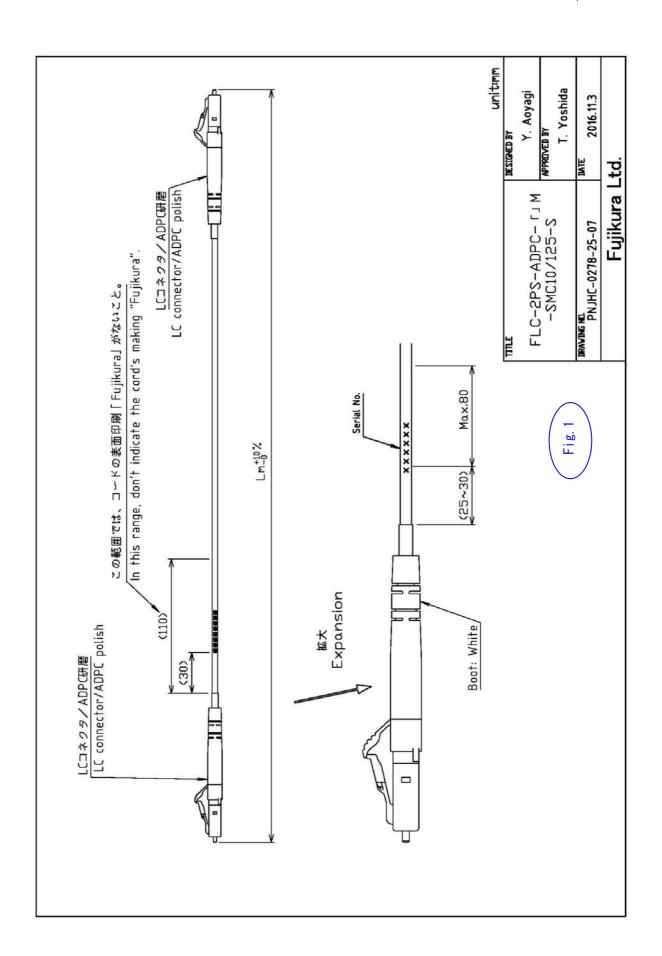
#### 5. Environmental requirement

Follow the PNJAA-0068-25-01 (latest version)

: General Specification on Substance Control Requirements

## 6. Picture of the end face

Take a picture of the end face and keep for 2 years



Rev.	Date	Description	Reason	Issued	Checked	Approved
	2016. 11. 11	FOV 向けとして、内容を見直して新規番号を取る。 PNJHG-0278-25-03B		Aoyagi	Sato	Yoshida
_	2019. Oct. 18	Add for SG #PNJHC-0278-24-07				
A	2019. Nov. 1	4. Packaging Add Label on PEbag	Update	Sato	Aoyagi	Yoshida
(1) B	2022.	Corresponds to HC-0278-007 SPPU-11047 Table1, Table2; Added OBL doc. no.	Update	Sawada	Uenoyama	Hishikawa