

DATE. Jul. 8, 2022

No. SPPU-11047 (1)

PNJHC-0278-25-07B

PNJHC-0278-24-07B

# SPECIFICATION



FOR

LCLC-ADPC-[length]-SMC20

For "NEC"

Fujikura internal information

|   |   |
|---|---|
| 提出仕様書 No.<br>Fujikura Specification No.<br>(Proposed to customer) | 先方仕様書 No.<br>Customer Specification No. |
|   | CBE-000970                              |

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

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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<br>(single mode)             | Optical fiber cord<br>JAS-00603*  | Lm    | Nominal 2.0mm: yellow   |
| LC connector for SM<br>(with LC ferrule) | IEC61754-20, for $\phi 2.0$ ,<br>PNJHY-0048-22-03*/ <a href="#">SPSU-10329(*)</a> , Adamant | 2     | Housing: Blue<br>Boot : White<br>Crimp sleeve: Yellow<br>(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

| Parameters          | Condition       | Spec.                | Wave-length        | Remarks          |
|---------------------|-----------------|----------------------|--------------------|------------------|
| Insertion loss      | LC connector    | $\leq 0.2\text{dB}$  | 1.31 $\mu\text{m}$ | Polishing : ADPC |
| Return loss         | LC connector    | $\geq 44\text{dB}$   |                    |                  |
| Fiber height        | Ferrule endface | -50~+100 nm          |                    |                  |
| Radius of Curvature | Ferrule endface | 7~25mm               |                    |                  |
| Apex Offset         | Ferrule endface | $\leq 50\mu\text{m}$ |                    |                  |

|         |                 |   |  |  |
|---------|-----------------|---|--|--|
| Endface | Ferrule endface | PNJHA-0038-40-46/<br><a href="#">ISQA-10002</a><br>(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

Label on PE bag


SG don't need(product code)


P/O No: xxxxxx-x(Product Code)

Product name

Product No: 00001

Qty: 1



 Lm

or F

### 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.<br>11. 11  | FOV 向けとして、内容を見直して新規番号を取る。<br>PNJHG-0278-25-03B                                    |        | Aoyagi | Sato     | Yoshida   |
|          | 2019.<br>Oct. 18 | Add for SG<br>#PNJHC-0278-24-07   |        |        |          |           |
| A        | 2019.<br>Nov. 1  | 4. Packaging<br>Add Label on PEbag  | Update | Sato   | Aoyagi   | Yoshida   |
| (1)<br>B | 2022.<br>7. 8    | Corresponds to HC-0278-007<br>SPPU-11047<br>Table1, Table2; Added OBL<br>doc. no. | Update | Sawada | Uenoyama | Hishikawa |
|          |                  |   |        |        |          |           |