## Fujikura Fiber Optics Vietnam Ltd.(FOV)

Training Textbook: 000-1-TT-0014 Phiên bản: 1



# **Optical Jumper Patch Cord**



## ☐ Concept:

- ➤ Make connectivity between 2 optical fibers possible
- Plug Unplug the connection is easily
- Multiple connector type and variable length according to customer requirement.

## □ Application

- Building interconnections (local LAN)
- Home and enterprise applicant
- ➤ Links between electronic equipment and fiber patch panels

## □ Advantage of FOV

- FOV has a lot of experience to produce and Kaizen about Optical Jumper Patch Cord as main factory of CNC
- ➤ It realize shorten lead time to cooperate with CNC and PLN, QCS and PRD





# Optical jumper patch cord - Information



Main Customer	CNC	Developed by	CNC	
Final Customer	IBM, Hitachi, Fujitsu, NEC, NTT, FNETS,	Key Technology	Low Cost Ass'y	
View				
Product's Name	Breakout Module	Cable, Fan-out	Patch cord	
Capacity (end/m.)	160,000	115,000	248,400	
Current Demand	89,000	56,900	173,100	
Operator (/day)	70	40	74	
Shift arrangement	ift arrangement 2		2	

# Optical jumper patch cord – Flow chart

**F** Fujikura

Cutting

Branching

Ferrule assy'

Polishing

Housing

Identification

Length check

Loss inspection

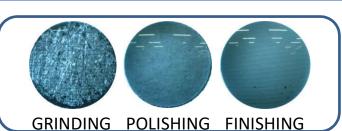
Reflect checking

**Endface checking** 

Appearance

Label & Packing

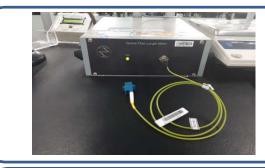






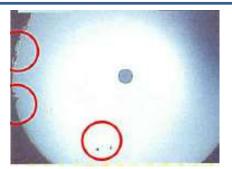


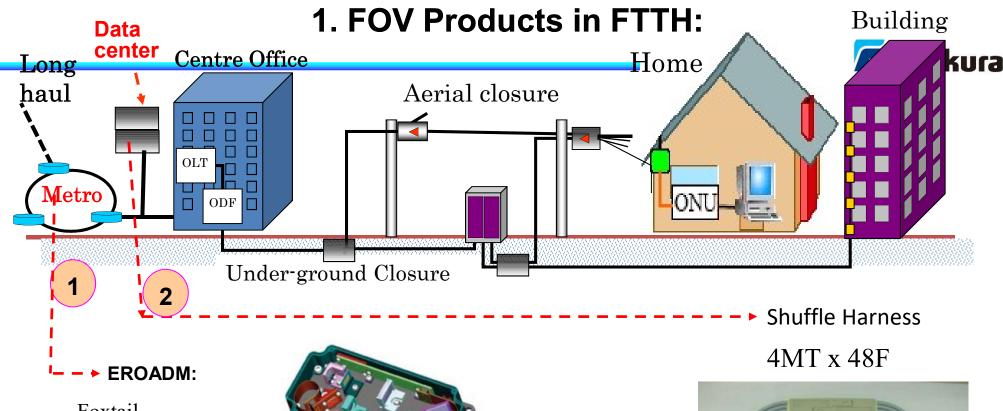












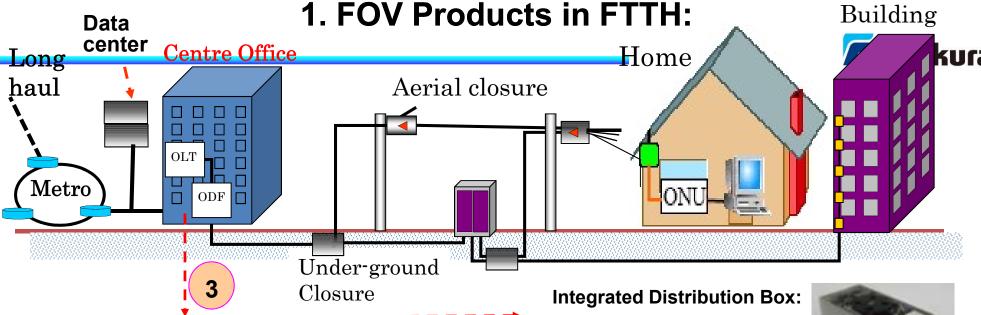
Foxtail
Hickory
Minkowski
Kepler
Galileo
Copernicus



Add/ Drop Multiplexer



Data Connection
Inside PC Server



#### | All type optical Connectorized:

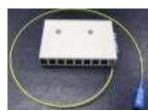
- Connectorized Cables: SC, FC, LC, MU, ST...
- Connectorized Jumper cords, FO Cords...
- All Connector type: MT, MPO, MPX...

- **Jumper Modules**
- High density Modules
- Coupler Module...
- 1x4 Splitter Module
- Click cleaner (SC/LC/ ...)





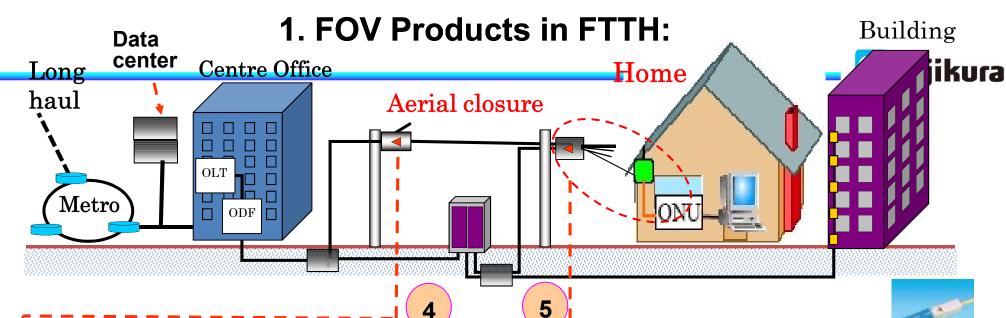








facturing Division



#### → Aerial Closure:

- AOx closures
- BB, V3 closures...





#### **→**Splitter Module:

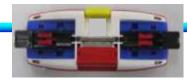
- 4D Splitter Module
- 8D Splitter Module



#### Mechanical splicer:

- Single core
- Multi core
- MS tool...





#### **FA Connectors:**

- FA Plug, FA Socket
- FAS Plugs, Sockets
- FAS Patch cords
- FAST-SC, ST, LC
- Fuse Connector...

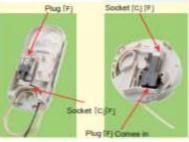
## FA Connector with FBG:

- T-Connector
- T-Ferrule

#### Fiber outlet

Rosette

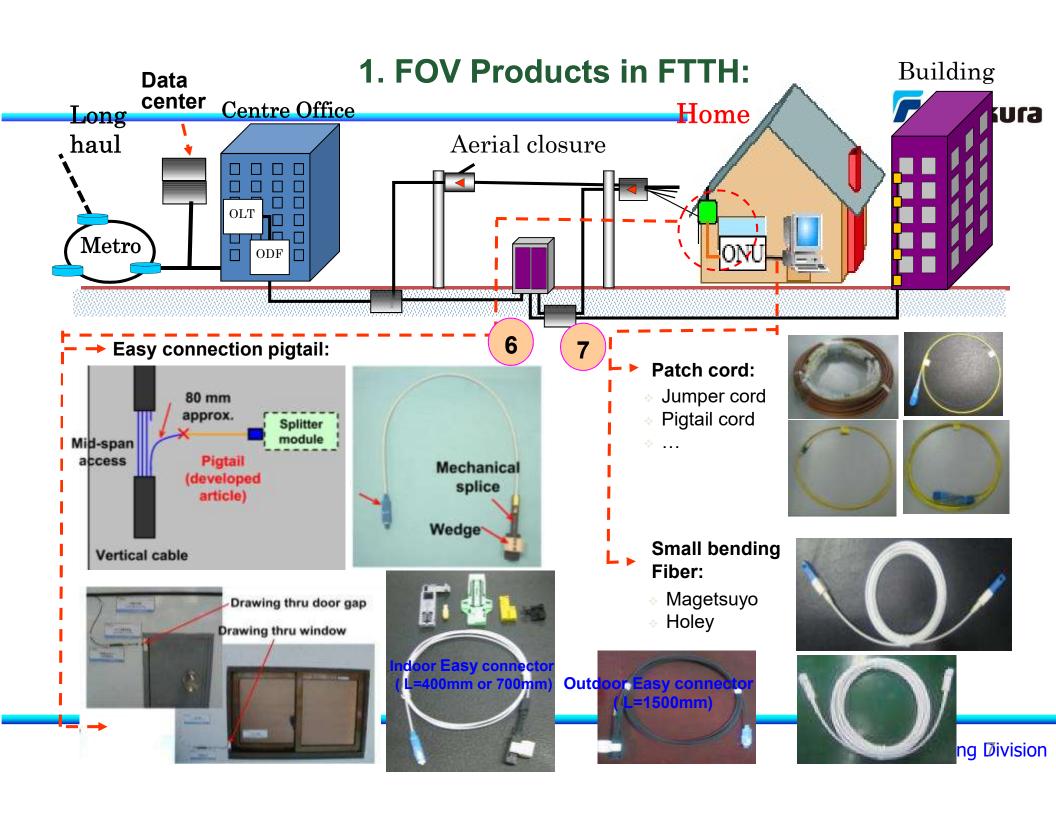




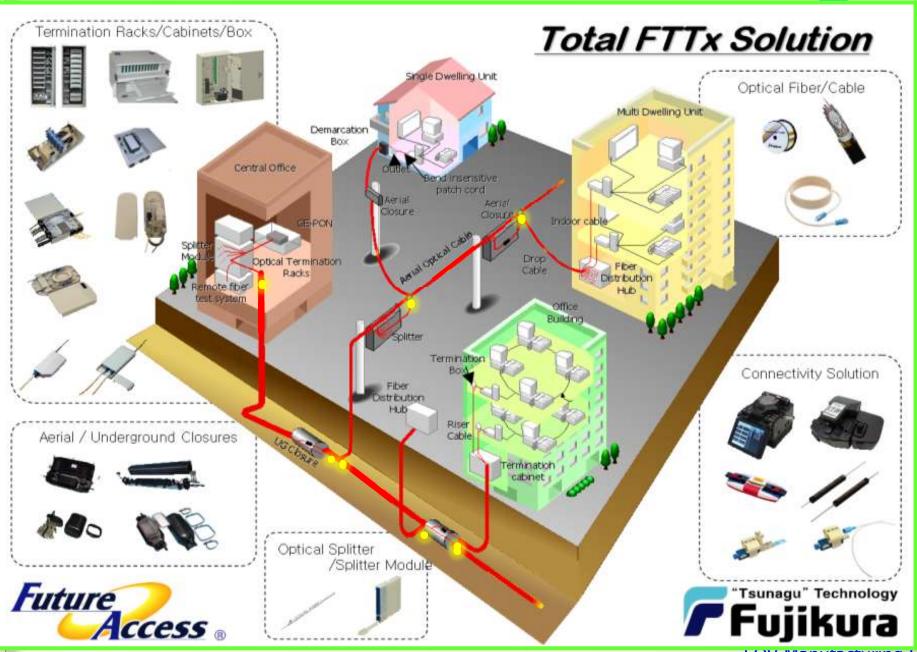




ng Division



rura

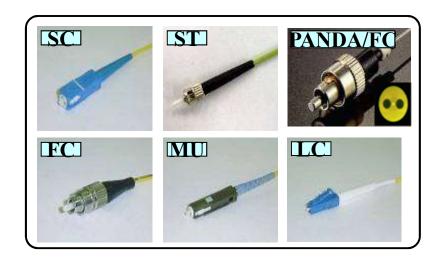


FOV Manufacturing Division

### **III. FOV Products & Use**



### **Single-fiber Connectors**



#### SM-fiber connectors

Polishing	SPC	UPC	APC
<b>Insertion Loss</b>	<b>≦</b> 0.5dB	<b>≤</b> 0.5dB	<b>≤</b> 0.5dB
Return Loss	≧40dB	≥50dB	≧60dB

### **PANDA fiber connectors** (FC and SC Connector)

Polishing	SPC	UPC	APC
<b>Insertion Loss</b>	<b>≦</b> 0.5dB	<b>≤</b> 0.5dB	<b>≤</b> 0.5dB
<b>Return Loss</b>	≧40dB	≥50dB	≧60dB
X-talk	≦-25dB	≦-25dB	≦-25dB
Axial Alignment ±3°		±3°	±3°

Jumper Cord



Optical connectors make connectivity between optical fibers possible, with the ease of connecting and disconnecting. Constructed using advanced technology, Fujikura connectors promise high quality and reliability. The connectors shown here are representative examples of commonly used connectors. Fujikura can also meet customised requirements for other types of connectors or even connectors which require even higher specifications.

Fujikura offers the broadest selection of various cordage including plenum, riser and LSZH and premium / customized specs for our connectorized assemblies. Our connectorized assemblies are tested to meet Telcordia GR-326-CORE for single-fiber connector assemblies and GR-1435-CORE for multi-fiber connector assemblies. Please contact us for more details

Biểu mẫu lịch sử thay đổi							
Ngày	Người thay đổi	Phiên bản	Mô tả		Lý do thay đổi	Người yêu cầu thay đổi	
			Nội dung cũ	Nội dung mới			
11/10/2024	TanNDD	1		Ban hành mới	Tách code khóa học CPC0000000005 74	ĐẹpNV- HRM Executive	

un-control copy if print out"

Confidential FOV 's property, do not take out without FOV BOM's approval