

FUJIKURA FIBER OPTICS VIETNAM LTD	
Training textbook : 000-1-TT-0014	Phiên bản: 01

Optical Jumper Patch Cord

❑ Concept:

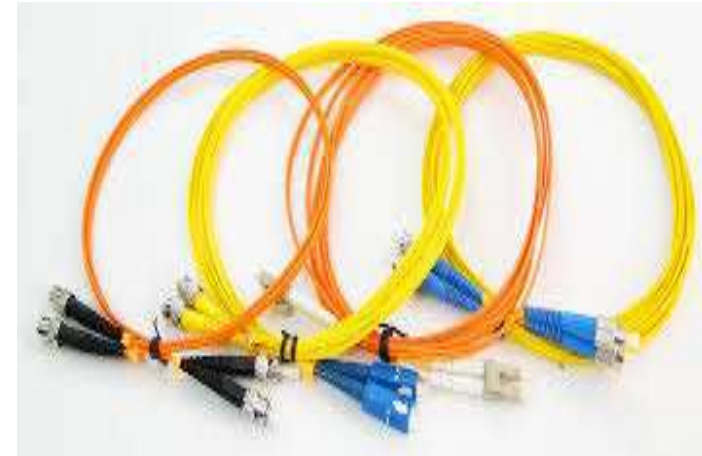
- Make connectivity between 2 optical fibers possible
- Plug – Unplug the connection is easily
- Multiple connector type and variable length according to customer requirement.

❑ 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

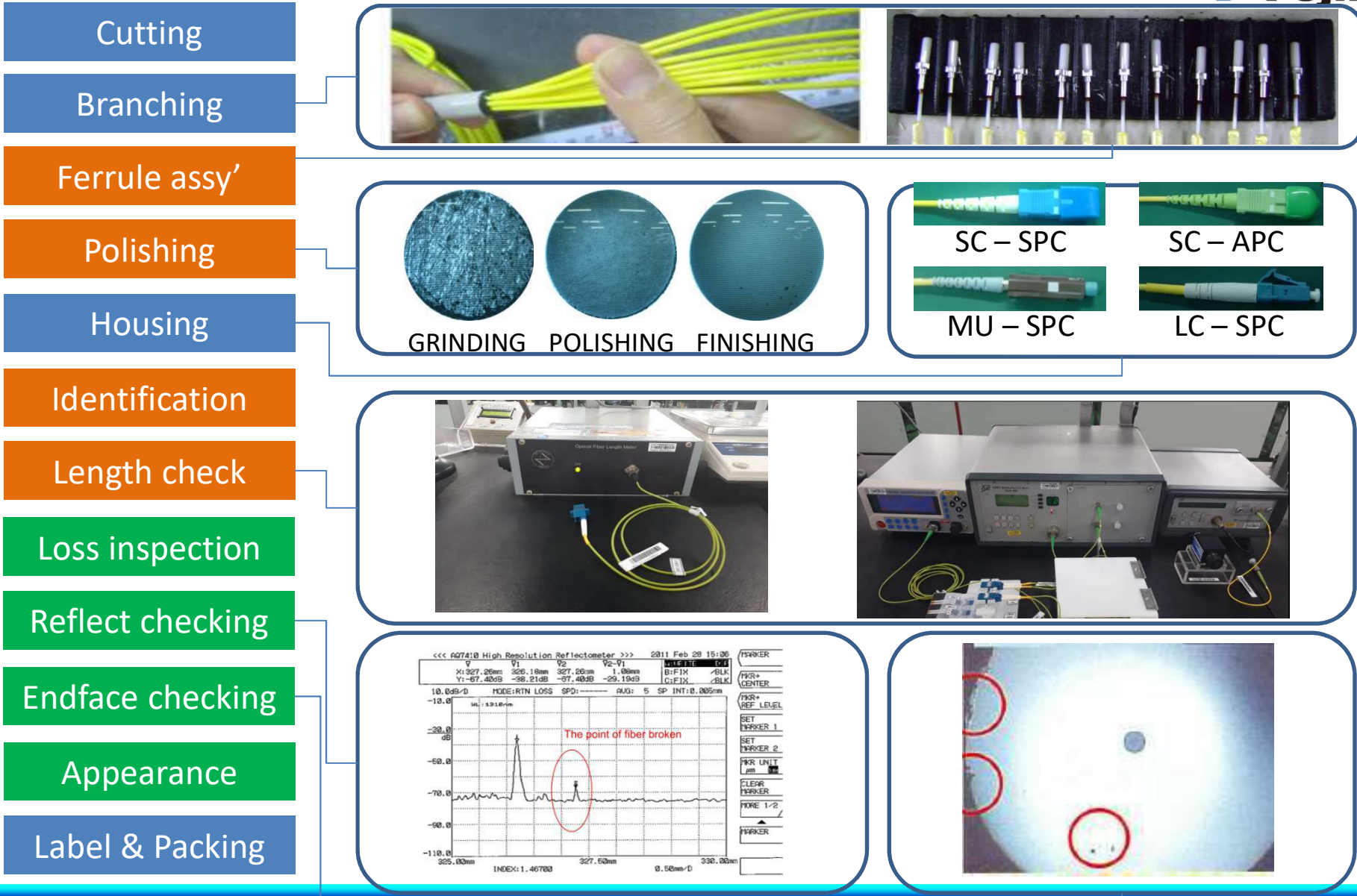


Optical jumper patch cord - Information

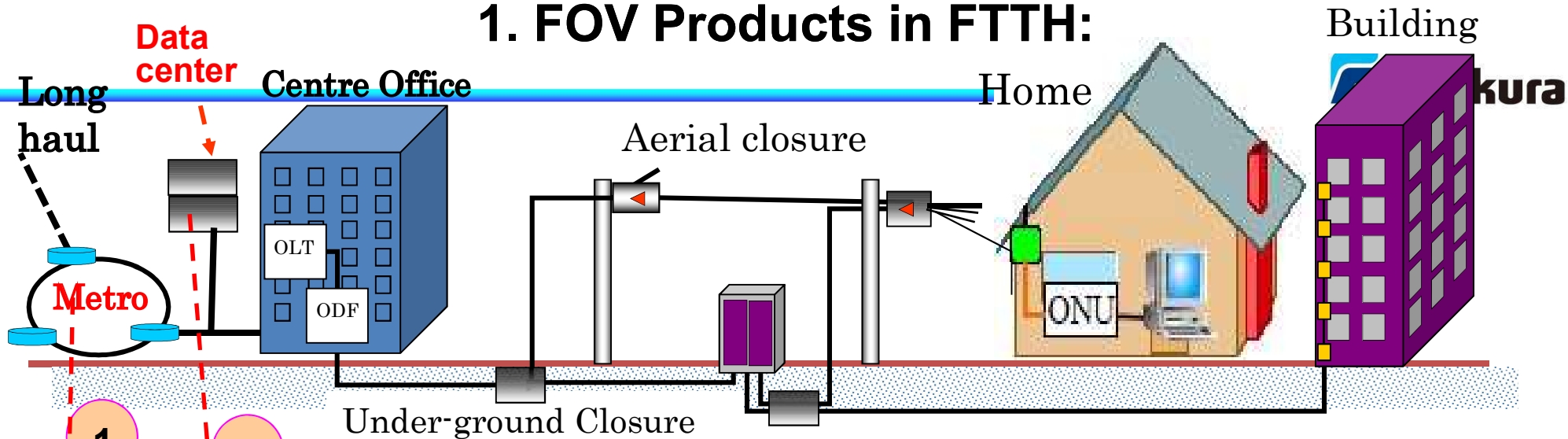


Main Customer	CNC	Developed by	CNC
Final Customer	IBM, Hitachi, Fujitsu, NEC, NTT, FNETS,..	Key Technology	Low Cost Ass'y
View			
Product's Name	Breakout Module	Cable, Fan-out	Patch cord
Capacity (end/m.)	160,000	115,000	248,400
Current Demand	89,000	56,900	173,100
Operator (/day)	70	40	74
Shift arrangement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

Optical jumper patch cord – Flow chart



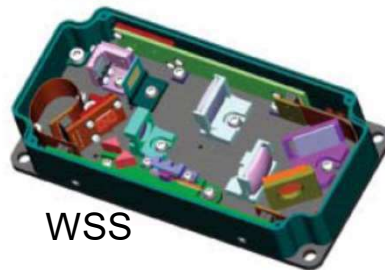
1. FOV Products in FTTH:



Shuffle Harness
4MT x 48F

EROADM:

Foxtail
Hickory
Minkowski
Kepler
Galileo
Copernicus



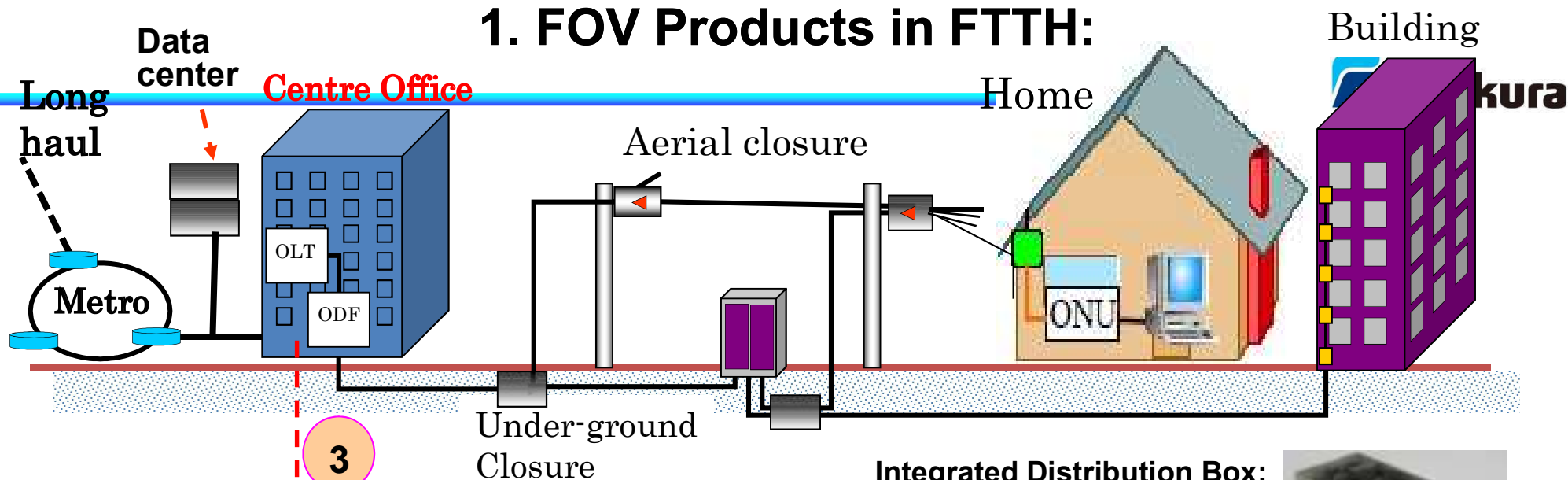
WSS

Add/ Drop Multiplexer



Data Connection
Inside PC Server

1. FOV Products in FTTH:

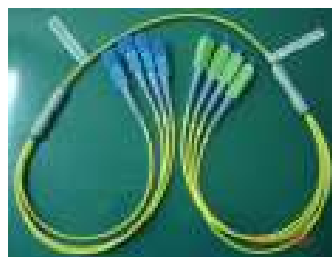


All type optical Connectorized:

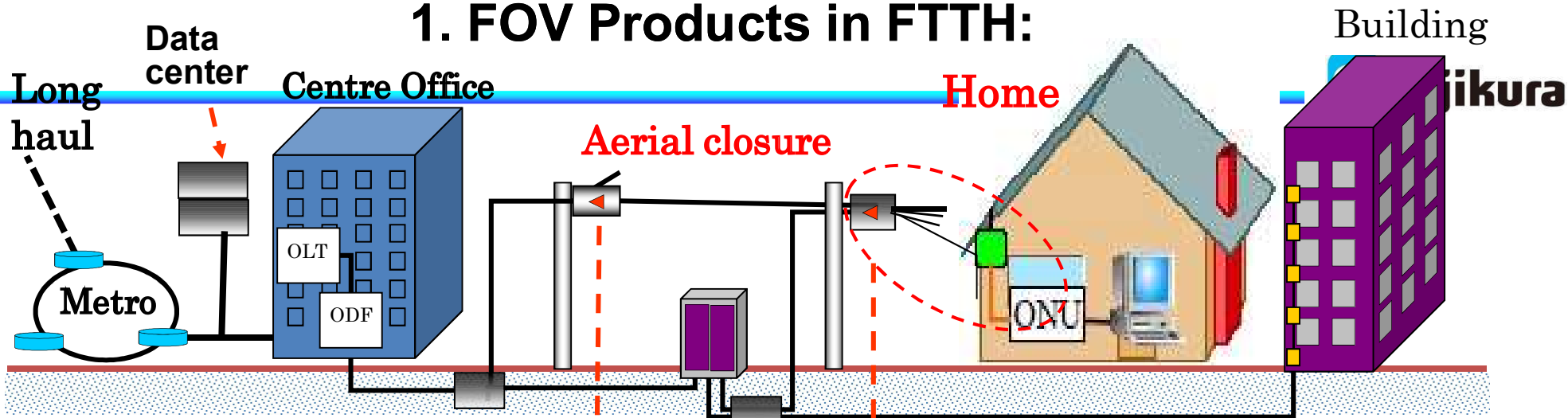
- ❖ Connectorized Cables: SC, FC, LC, MU, ST...
- ❖ Connectorized Jumper cords, FO Cords...
- ❖ All Connector type: MT, MPO, MPX...

Integrated Distribution Box:

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



1. FOV Products in FTTH:



→ Aerial Closure:

- ❖ AOx closures
- ❖ BB, V3 closures...



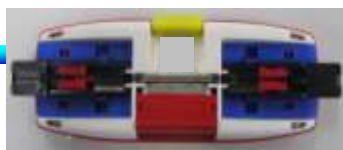
→ Splitter Module:

- ❖ 4D Splitter Module
- ❖ 8D Splitter Module



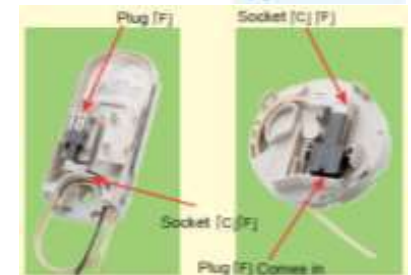
→ Mechanical splicer:

- ❖ 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

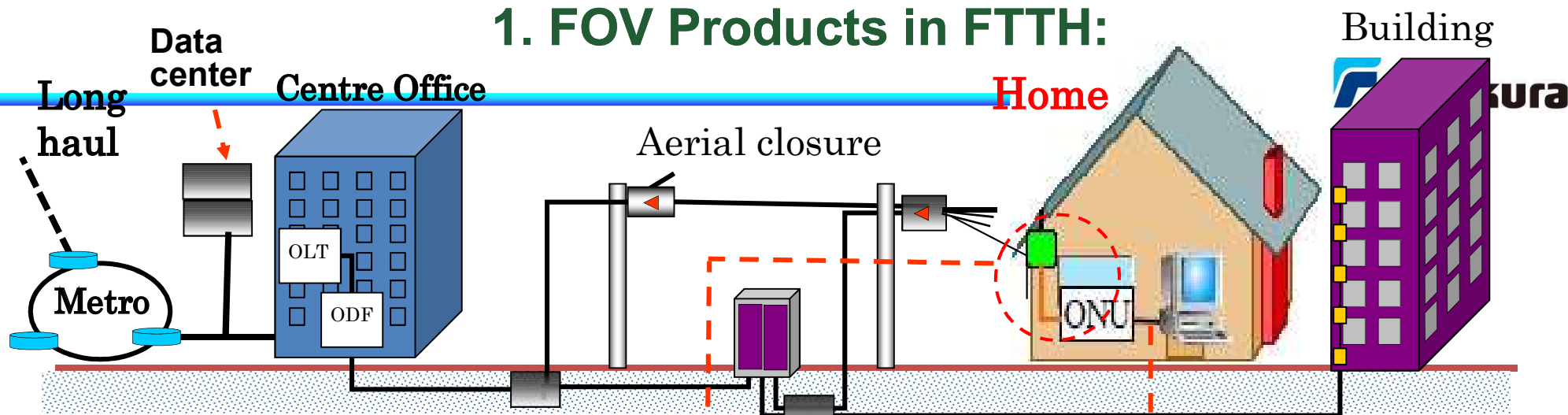


Fiber outlet

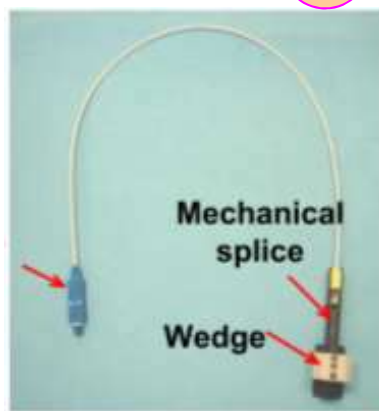
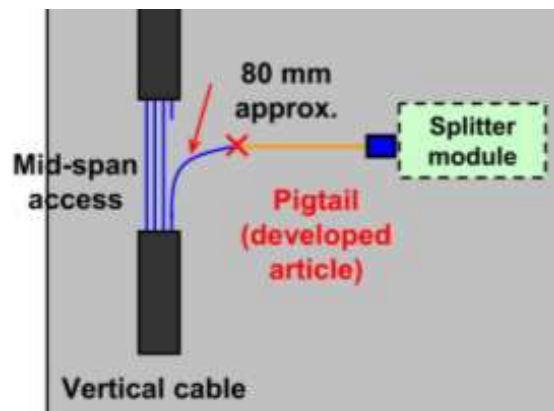
- ❖ Rosette



1. FOV Products in FTTH:



Easy connection pigtail:



Outdoor Easy connector (L=1500mm)



Patch cord:

- ❖ Jumper cord
- ❖ Pigtail cord
- ❖ ...

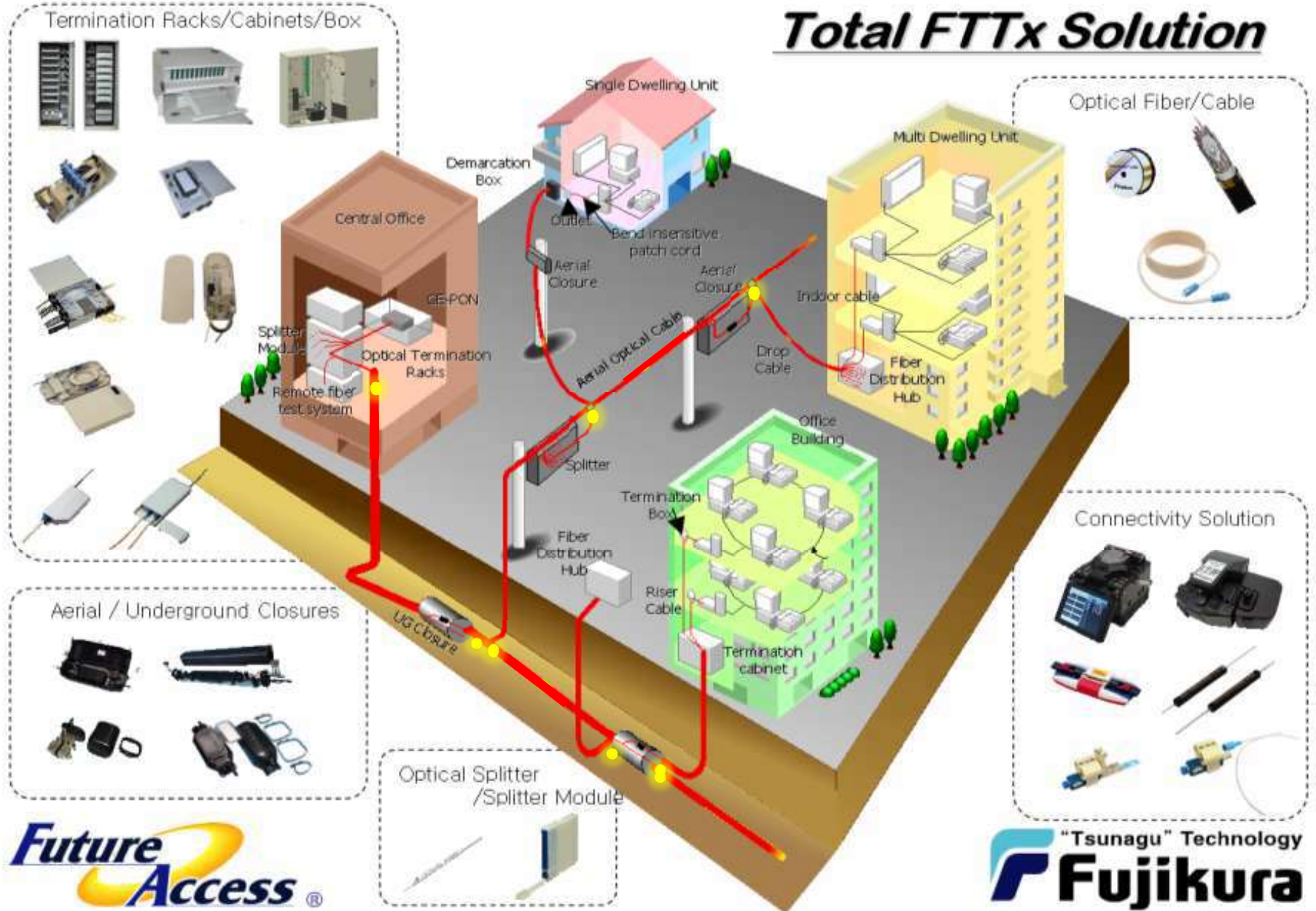


Small bending Fiber:

- ❖ Magetsuyo
- ❖ Holey



Total FTTx Solution



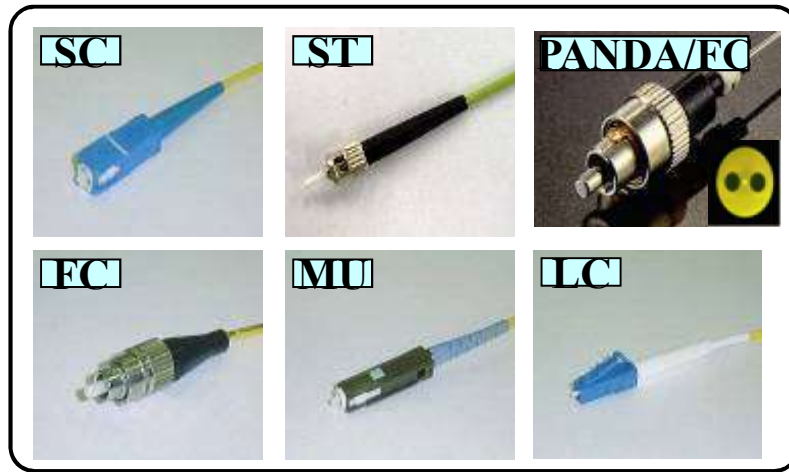
Future Access®

"Tsunagu" Technology
Fujikura

FOV Manufacturing Division

III. FOV Products & Use

Single-fiber Connectors



SM-fiber connectors

Polishing	SPC	UPC	APC
Insertion Loss	$\leq 0.5\text{dB}$	$\leq 0.5\text{dB}$	$\leq 0.5\text{dB}$
Return Loss	$\geq 40\text{dB}$	$\geq 50\text{dB}$	$\geq 60\text{dB}$

PANDA fiber connectors (FC and SC Connector)

Polishing	SPC	UPC	APC
Insertion Loss	$\leq 0.5\text{dB}$	$\leq 0.5\text{dB}$	$\leq 0.5\text{dB}$
Return Loss	$\geq 40\text{dB}$	$\geq 50\text{dB}$	$\geq 60\text{dB}$
X-talk	$\leq -25\text{dB}$	$\leq -25\text{dB}$	$\leq -25\text{dB}$
Axial Alignment	$\pm 3^\circ$	$\pm 3^\circ$	$\pm 3^\circ$

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		
14 July 2023	Tân tp	1		Ban hành mới	Tách code khóa học CPC0000000000 574	Caohv

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