

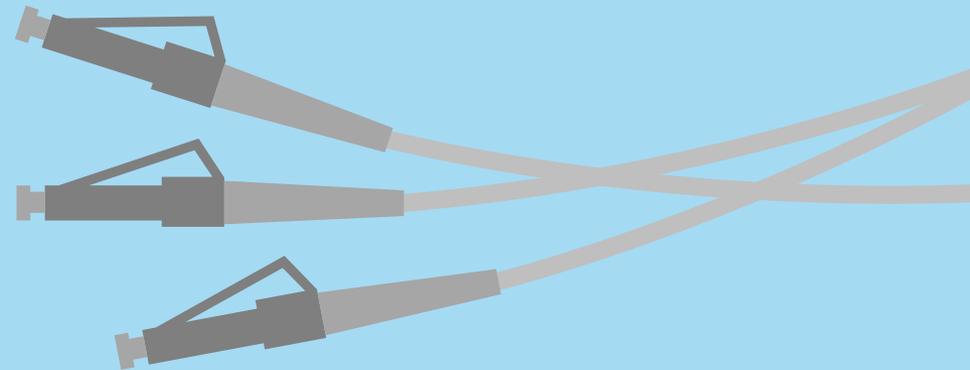
Agile Solution for Data Center Lynx2-customfit™ Connector

SUMITOMO ELECTRIC INDUSTRIES, LTD.



Problems at the Data Center

Conventional Pigtail Solutions present issues at every step of the installation.



Problems at the Data Center



On-Site

- Difficult cable installation
- Handling of excess length
- Rack space
- Urgent maintenance

Management

- Time consuming pre-survey
- Ordering process
- Delivery lead time
- Stock management



Solutions at the Data Center

Custom solutions which prove massive efficiencies across stock management, cabling, maintenance, and manufacturing.



Solutions at the Data Center



On-Site

- Plug head less Cable laying
- Just Length
- Rack space saving
- Quick recovery

Management

- No Pre-survey
- No Patch cord Design
- Time saving
- Simple stock management



First, It Starts With Smooth Cable Installation



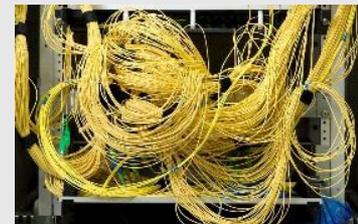
No Pre-Survey and Cabling Design

Conventional Pigtail Cabling

Troublesome order procedure
or you have to have many SKU in stock



6. Installation



Lynx-customfit™ Solution

Just prepare Lynx connectors and bulk cables,
and immediately start!



1. Installation

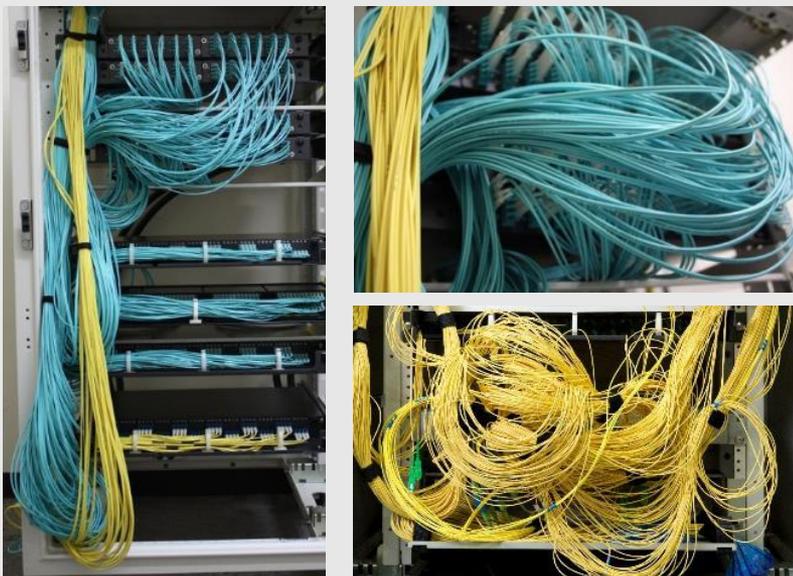


Slackless Cable Management

Conventional Plug & Play Solution



Chaotic routing due to use of fixed length pre-terminated cords



Lynx2-customfit® Solution



Slackless cable management with Lynx connectors



Rack Space Saving (Depth)

Conventional Pigtail Solution



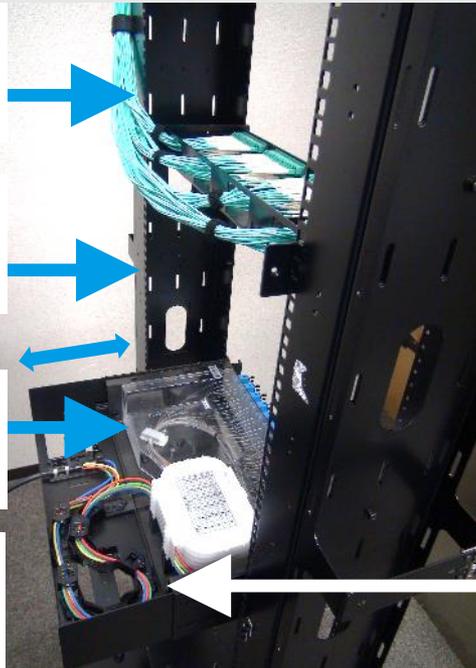
Conventional tray with splice tray

Lynx does not need splicing tray so the panel can be smaller

This much shortened

This is panel for conventional pigtail solution

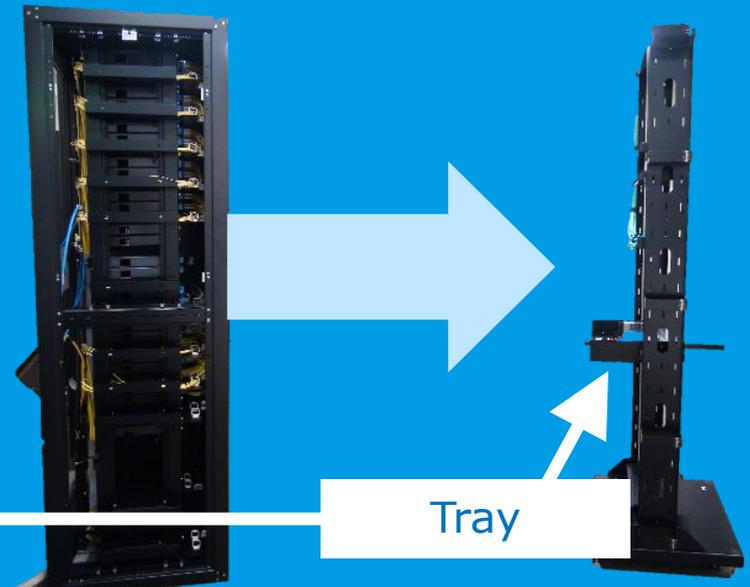
It needs space for splicing tray



Lynx2-customfit[®] Solution



Shallow panel without splicing tray applicable

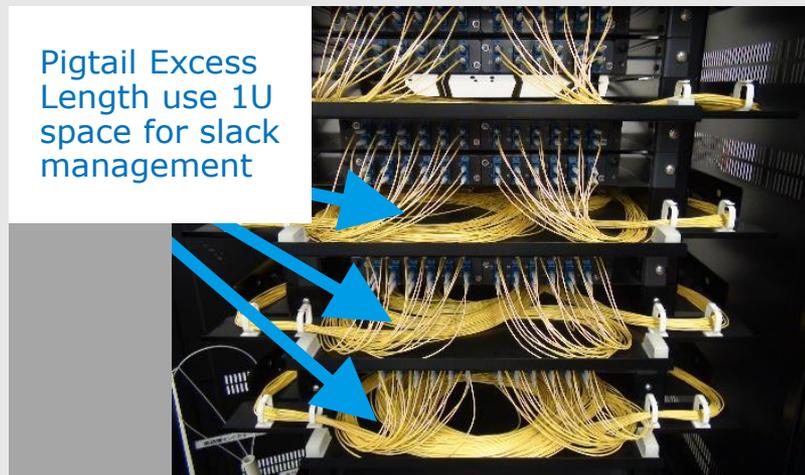


Rack Space Saving (Vertical)

Conventional Pigtail Solution



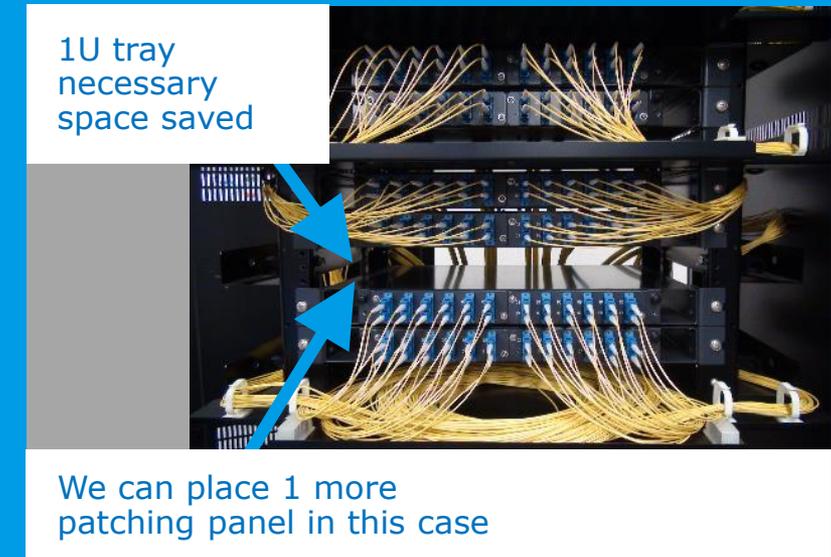
Conventional tray with splice tray



Lynx2-customfit® Solution

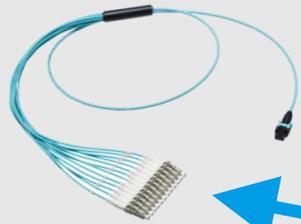


Shallow panel without splicing tray applicable



Urgent Maintenance (In Case of No Inventory)

Conventional Plug & Play Cabling



If only one connector end is dysfunction,
you have to replace all of the cable.



Diagnose



Order



Deliver

Only One is **NG**

Replace all



Lynx-customfit™ Solution



Just prepare Lynx
connectors and replace
only one connector
immediately!



Quick Recovery

Stock Management

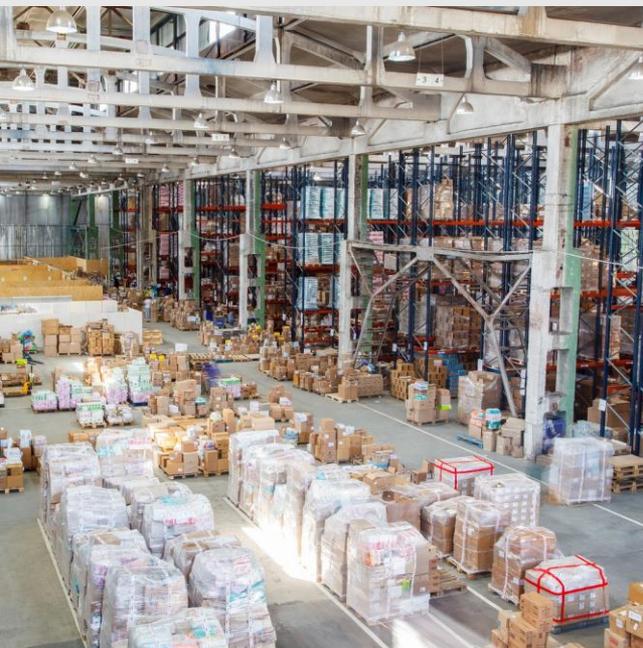
Conventional Pigtail Cabling

- Need to have various kinds of SKU
- Occupy stock yard



Lynx2-customfit™ Solution

- Just stock Lynx connectors and bulk cables
- Less stock space required



100pcs of connectors can be stored in one cardboard box

Manufacturing

Conventional Method

- Longer production lead time
- Skilled operators are required
- Consumables are expensive

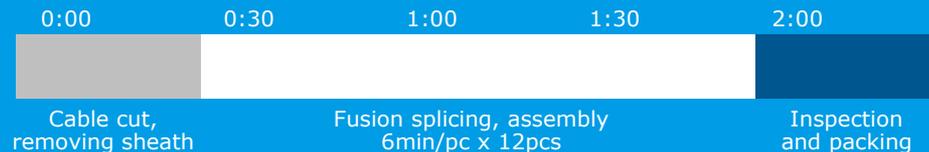
72c Trunk Cable, 12 x MPO/Cable



Lynx-customfit™ Solution

- Shorter production lead time
- Lower initial investment
- Skilled operators not required

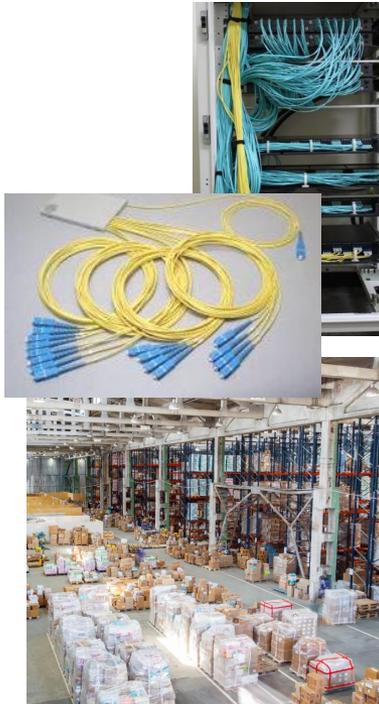
72c Trunk Cable, 12 x MPO/Cable



Summary: Lynx Customfit™ Solves Your Problems

Confidential

Problems at Data Center:	Conventional 	Lynx 
Difficult Cable Installation	✘	✔
Handling of Excess Length	✘	✔
Rack Space	✘	✔
Urgent Maintenance	✘	✔
Time Consuming pre-survey	✘	✔
Ordering Process	✘	✔
Delivery Lead time	✘	✔
Stock Management	✘	✔

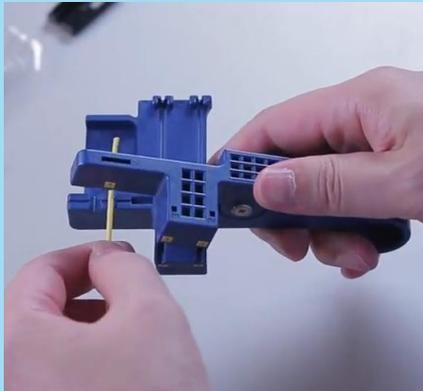


Lynx2 Customfit™ Field Assembly Splice-on-connector

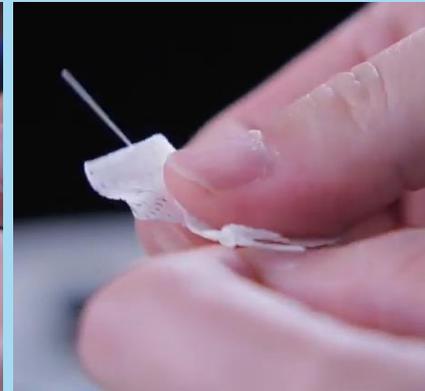
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STEP 1

Cord Preprocessing



Remove and slit the cord sheath using the Lynx strip & slit tool.



Remove the buffer and cleave the fiber.

Lynx2 Customfit™ Field Assembly Splice-on-connector

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STEP 2

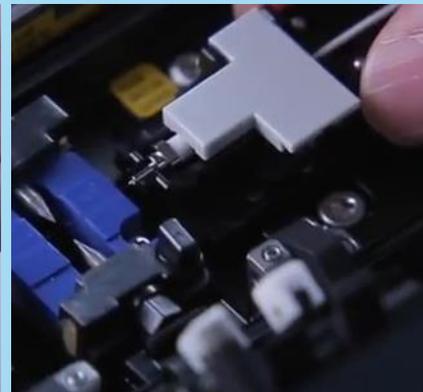
Fusion Splicing



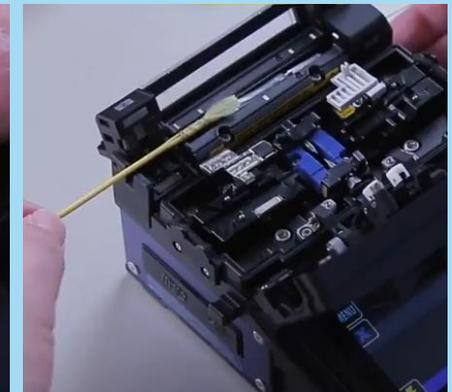
Set the fiber holder with the cord on the left side.



Set the ferrule into the holder and place it on the right side.



Close the wind hood and start the splice.



Move the spliced assembly into the oven and start heating.

Lynx2 Customfit™ Field Assembly Splice-on-connector

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STEP 3

Assembly



After the heating,
remove the connector
from the oven.



While rotating the
rear housing, grip
the Kevlar® strands.



Remove the
dust cap.



Finished and
ready to use.



A New Cabling Experience at your Datacenter



Reference

Lynx2 Customfit™ Field assembly splice-on-connector

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Adapting splicing technology, Lynx provide highly reliable optical connector on site. Optimize the cable length as exact length, Lynx solves cable snarl, slack in the floor, trays, and racks, moreover improves air-conditioning efficiency.



LYNX2-SC



LYNX2-LC



LYNX2-12MPO
LYNX2-8MPO
LYNX2-Q8MPO



Ferrule Stub on
Holder w/ Cover

Ferrule
Stub

Protection
Sleeve

Optical
Cord

ex. LC Connector



Lineup and Specification

Full Line up for all needs



Applicable fusion splicer

Single Fibre	TYPE-71C/71C+	TYPE-71M12	TYPE-201x/201ex	T-55
Single Fibre Cord	TYPE-71C/71C+	TYPE-71M12	TYPE-201x/201ex	T-55
MPO	TYPE-71M12			

- Can apply for the place required low return loss as analog transmission, etc.
- Can apply for wide temperature range.

	Lynx2-SC	Lynx2-LC	Lynx2-FCM	Lynx2-ST	Lynx2-MPO
Standard	IEC61754-4	IEC61754-20	IEC61754-13	IEC 61754-2	IEC61754-7
Insertion Loss (against master plug)		SMF: Ave. 0.2dB, Max. 0.3dB MMF: Ave. 0.1dB, Max. 0.25dB			SMF,MMF Low Loss (LL) Max. 0.4dB SMF Standard Loss Max. 0.75dB
Return Loss (against master plug)		SMF: ≥ 60 dB (APC), ≥ 55 dB (UPC) MMF: ≥ 30 dB (PC)			