Why MPO connector? (1)

Reasons in the feature of infrastructure environment

- 1) The needs of the growing information transmission
- 2) Processing in the router is no longer keep up, then traffic would be stuck.

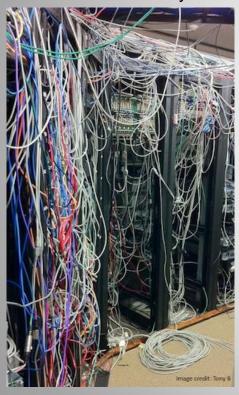


- 3) In the communication line, there is a transmission wavelength band shortage of relay amplifiers and optical fiber due to the number of wavelengths increase.
- 4) A problem that the entire network equipment scale and power consumption becomes enormous.

Why MPO connector? (2)

Reason: In case of Data Center

Using single core optical fiber cables only





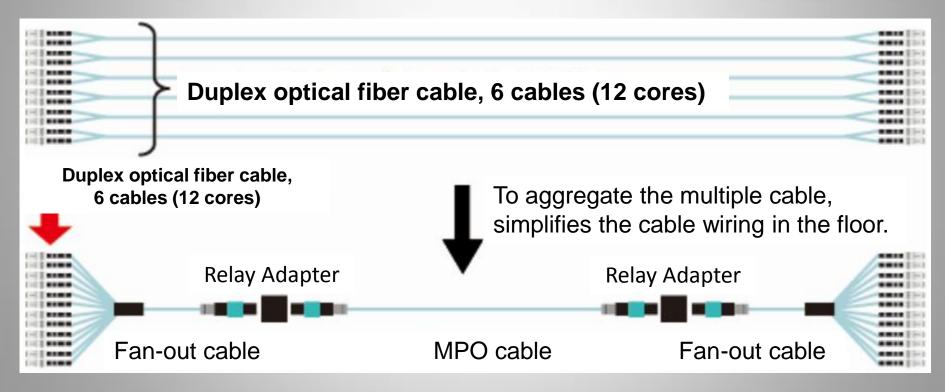
Change to fiber-optic patch cord with MPO connector



Why MPO connector? (3)

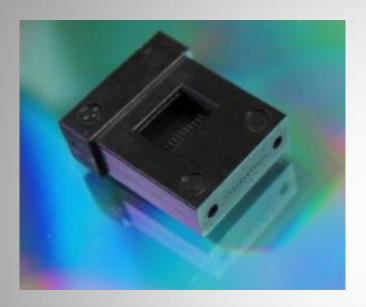
Multi-mode optical fiber to 10GB internal cable contains 12 cores. To the end, equivalent to the duplex type, 6 optical cables.

Trunk part of the MPO connector cables can be aggregated into one. In this case, use the fan-out cable at both ends.



MT connector

Mechanically Transferable Splicing Connector



→ Manufacturer: Hakusan MFG.

→ Sales by: Fukushima Futaba Electric

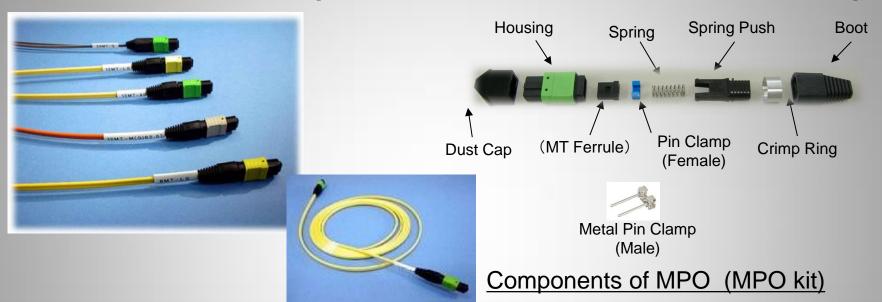
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Propagation mode	Grade	Polishing	Number of cores	Insertion loss
Multi-mode	M (Standard)	Right angle PC	2, 4, 8, 12, 24, 48	MAX ≦ 0.50dB
	SLM (Low loss)	Right angle PC	12, 24	MAX ≦ 0.35dB
Single-mode	S (Standard)	Right angle	4, 8	MAX ≦ 0.70dB
		8 degrees diagonal PC	2, 4, 8, 12, 24	MAX ≦ 0.70dB
	SLS (Low loss)	8 degrees diagonal PC	8, 12	MAX ≦ 0.35dB

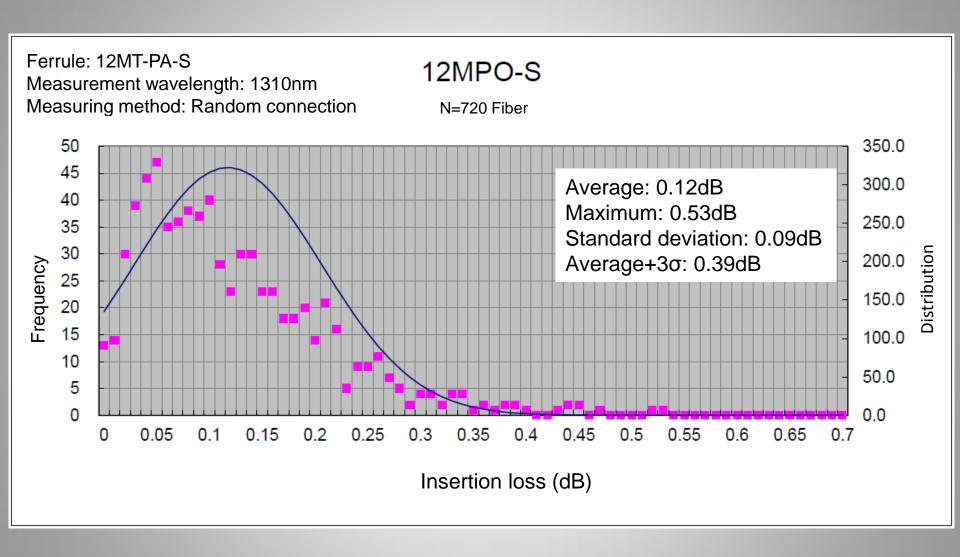
MPO connector

MPO Connector (Multifiber Push-On Connector)



Type of connector	MPO					
Type of optical fiber	Low loss Single-mode	Standard Single-mode	Low loss Multi-mode	Standard Multi-mode		
Insertion loss (dB)	≦ 0.35	≦ 0.70	≦ 0.35	≦ 0.50		
Type of polishing	All	55	-			
Number of cores	8 degrees diagonal or right angle PC					
Type of cable	Bare ribbon or jacketed cable					
Standard	JIS C5982(F13), IEC 61754-7					
Color of housing	Yellow Green Beige					

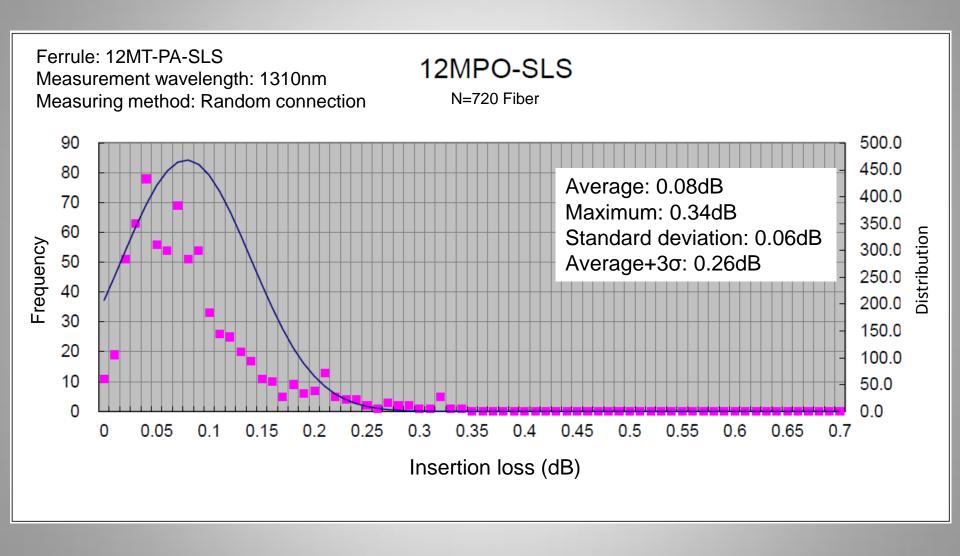
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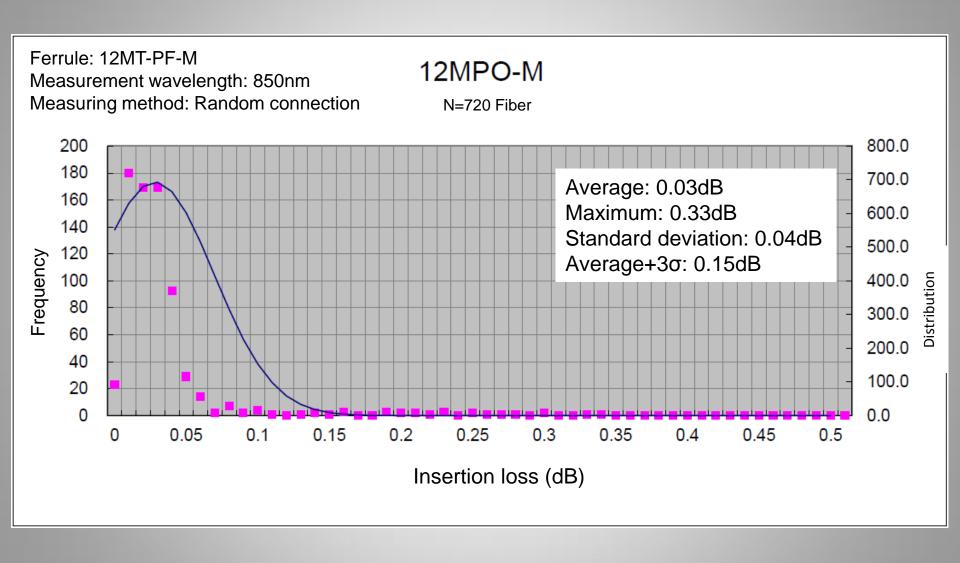
[→] Manufacturer: Hakusan MFG.

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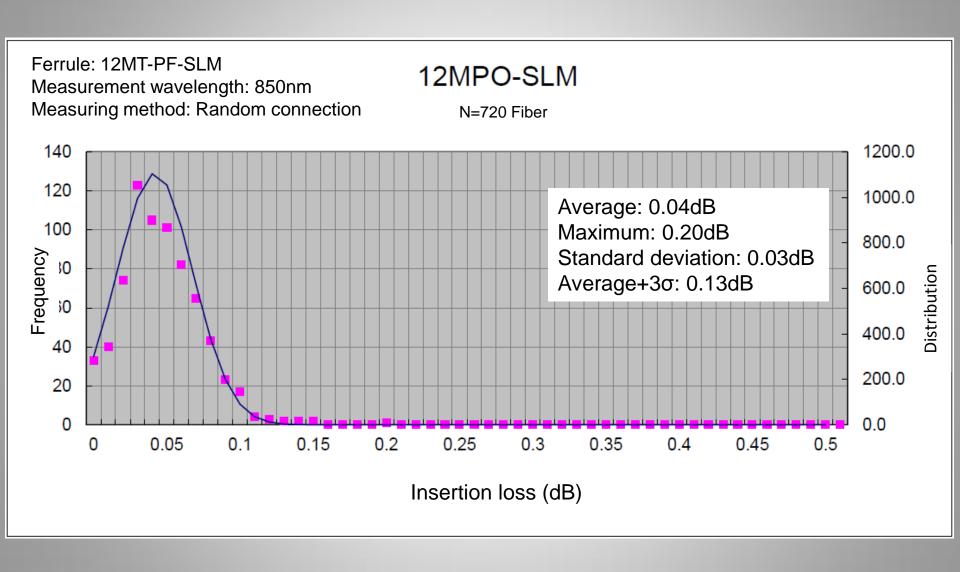
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