

MPO+PLUS™

New MPO Plus: More Features compared to Conventional MPO

- Lower Insertion loss on SM Typical 0.1dB
- Lower Insertion loss on MM Typical 0.08dB
- Meets and exceeds Telcordia GR-1435
- Removable Housing
- Metal Pin Holder
- Oval Spring
- 20N Spring for 24F MM Ferrule
- Spring Push with Slit for easier assembly
- MPO-HD for High Density Application
- Flex angle boot and other boot styles
- IP-MPO Outdoor rated IP-68 housing
- Stackable MPO Adapter

www.senko.com

MPO INSPECTION PROBE for MPO Flat & Angle

Smart Probe™ for Fiber Inspection

The FTFA Smart Probe allows technicians to inspect the fiber endfaces, providing a high-definition image.

Wireless connection to your Smart phone or tablet



MPO LOOPBACK

- Available for 12ch & 24ch
- Standard and QSFP Applications
- Solid Body
- MPO Attenuator loopback also available



IP-MPO

WEATHERPROOF CONNECTOR



- New line of IP68 Connectors exceed ODVA requirements
- Simple bayonet locking system
- Low Insertion Loss

MPO FIBER OPTIC CLEANER

Smart Cleaner™ for Fiber Cleaning

The Smart Cleaner is a dry cloth cleaner specifically designed to clean connections residing in an adapter, faceplate or bulkhead.

600+ CLEANINGS

for MPO Connector for MPO Port



MPO VISUAL FAULT LOCATOR

(VFL)

The MPO Visual Fault Locator is a visible light source designed to test for faults in MPO arrayed fiber cables

- 650nm visible light source for MPO assembly testing
- Suitable for SM or MM fiber
- Output power 0.4mW@ 25c
- Continuous or pulse mode
- USB chargeable internal battery
- Select all or any individual fiber
- Red light Visibility up to 3km



New MPO Plus:
More Features compared to Conventional MPO

MPO+PLUS™



The MPO Plus connector offers up to 24 times density of standard connectors, providing significant space and cost savings.

SENKO ADVANCED COMPONENTS, INC.

America
USA EAST 1-888-32-SENKO
USA WEST 1-858-623-3300
TEXAS 1-972-661-9080
Sales-Americas@senko.com

Asia
HONG KONG +852-2121-0516
SHANGHAI +86-21-5830-4513
SHENZHEN +86-755-2533-4893
Sales-Asia@senko.com

Europe
FRANCE +44 7939364565
Sales-france@senko.com
GERMANY +49(0)15117683072
Sales-Germany@senko.com
ITALY +39 338 8919089
Sales-Italy@senko.com
POLAND +44 (0) 7796444488
Sales-Europe@senko.com

South America
BRAZIL +55-21-3736-7065
Sales-Brazil@senko.com

SPAIN & PORTUGAL +34 678042829
Sales-Iberia@senko.com
UK +44 (0) 1256 700880
Sales-UK@senko.com
OTHER +44(0) 1256 700880
Sales-Europe@senko.com

Asia Pacific
AUSTRALIA +61 (0) 3 9755-7922
Sales-Asia-Pacific@senko.com

Middle East North Africa
DUBAI +971 4 8865160
Sales-MENA@senko.com

Japan
TOKYO +81 (0) 3 5825-0911
Sales-Japan@senko.com

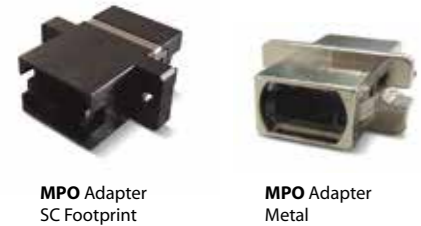
CALL 1-888-32-SENKO

MPO PREMIUM

Senko's MPO Plus Premium Connector offers space and cost savings

The MPO Plus connector offers up to 24 times the density of standard connectors, providing significant space and cost savings. MPO Plus Connectors utilize precision molded MT Ferrules, with metal guide pins and precise housing dimensions to ensure fiber alignment when mating. MPO Plus Connector housing are available in Green (for SM) Yellow (for SM Super Low loss), Beige (for MM), Aqua (for OM3 Fiber) and Heather-Violet (for OM4 Fiber). Ferrule available in 4, 8, 12 and 24 fiber hole configuration. Ferrules are available for SM Standard, SM Super Low Loss, MM Standard and MM Low Loss. Boots are available for Ribbon Cable, Ribbon fiber, Round boot and the patent SENKO Flex-Angle boot.

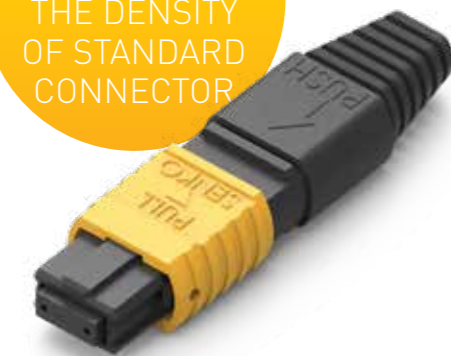
MPO ADAPTERS



- One-piece design
- Flange and Non-Flanged Types
- Regular and Reversed Key Options
- SC Footprint
- External and Internal shutter available

MPO Plus PREMIUM SUPER LOW LOSS FERRULE

24X
THE DENSITY
OF STANDARD
CONNECTOR



MPO Plus Ribbon Cable Single mode



MPO Plus Bare Ribbon Single mode



MPO Plus Bare Ribbon Short Multi mode



MPO Plus Round 3mm Multi mode

MPO Plus with FLEX-ANGLE BOOTS

SENKO's Flex-Angled boot is solving the congestion problems that naturally occur when hundreds of fibers terminate at one small patch panel.



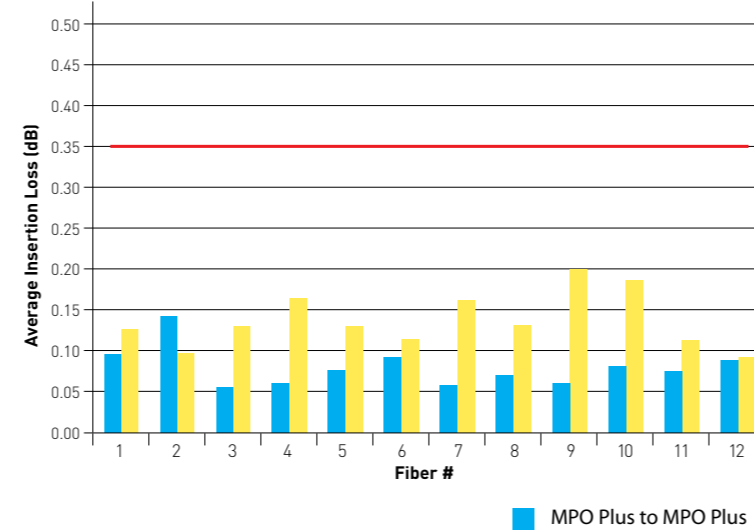
BEND
ANY ANGLE
OR DIRECTION
FROM STRAIGHT
TO 90°



MPO Plus SM

Super Low Loss Insertion Loss

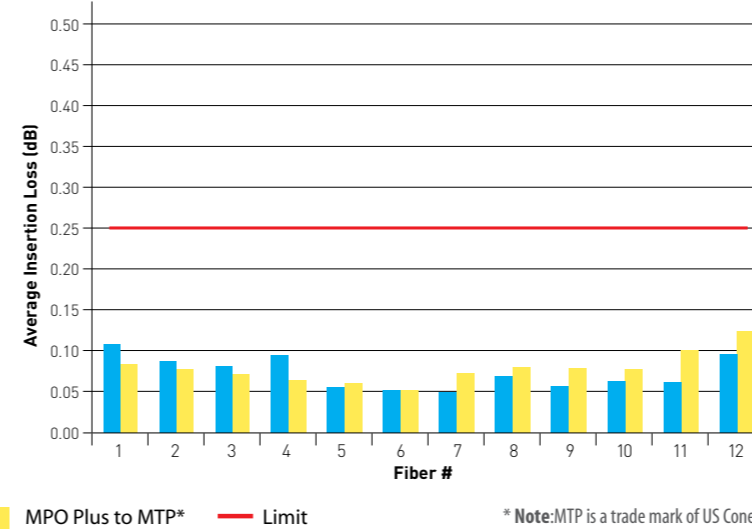
Random Mating Average IL @ 1550nm
Sample Size= 600 Data Points per Pairing



MPO Plus MM

Super Low Loss Insertion Loss

Random Mating Average IL @ 850nm
Sample Size=600 Data Points per Pairing



SPECIFICATION	SM STANDARD		SM SUPER LOW LOSS		MM STANDARD		MM SUPER LOW LOSS	
	Typical	Max	Typical	Max	Typical	Max	Typical	Max
MPO Plus								
Insertion Loss*	0.2 dB	0.7 dB	0.1 dB	0.35 dB	0.15 dB	0.50 dB	0.08 dB	0.30v dB
Return Loss	60 dB (8° Polish)		60 dB (8° Polish)		25 dB (Flat Polish)		25 dB (Flat Polish)	
Durability	<0.30dB change 500 matings (per EIA-455-21A)		<0.30dB change 500 matings (per EIA-455-21A)		<0.20dB change 1000 matings (per EIA-455-21A)		<0.20dB change 1000 matings (per EIA-455-21A)	
Operating Temperature	-40 to +75°C							
Ferrule type available	4, 8, 12, 24		8, 12		4, 8, 12, 24		8, 12	

Note: Above value is when terminated using SENKO recommended procedures

Note: SM Standard 24 fiber Typical 0.5dB and Max 1.0dB. MM Standard 24 fiber Typical 0.2dB and Max 0.6dB. For MM Super Low Loss, SM pin (PN PCSM) to be used to guarantee IL Value

* Note: IL Values are per single fiber for all fibers

CONNECTOR HOUSING COLOR	BOOT	BOOT
1 Green (SM)	1 Bare Ribbon Boot	A 3.6mm Round Boot
3 Beige (MM 62.5/125)	2 Flat Ribbon Cable Boot	B 4.5mm Round Boot
4 Yellow (SM Low Loss)	4 3.0mm Mini Boot	C 5.0mm Round Boot
5 Aqua (OM3 50/125)	5 3.0mm Flex Angle Boot	D 5.5mm Round Boot
6 Heather Violet (OM4 50/125)	6 Bare Ribbon Short Boot	E 2.0mm Round Boot, No Crimp
7 Black		F 2.0mm Round Boot with Crimp

MPO Speciality Products

MPO-HD

High Density Connector

33%
INCREASE
IN DENSITY



The combination of Senko's new MPO-HD's low profile and innovative pull tab allow adaptors to be stacked with virtually no spacing required

CONVENTIONAL Rack VS HIGH DENSITY Rack



Easy to release trigger connector

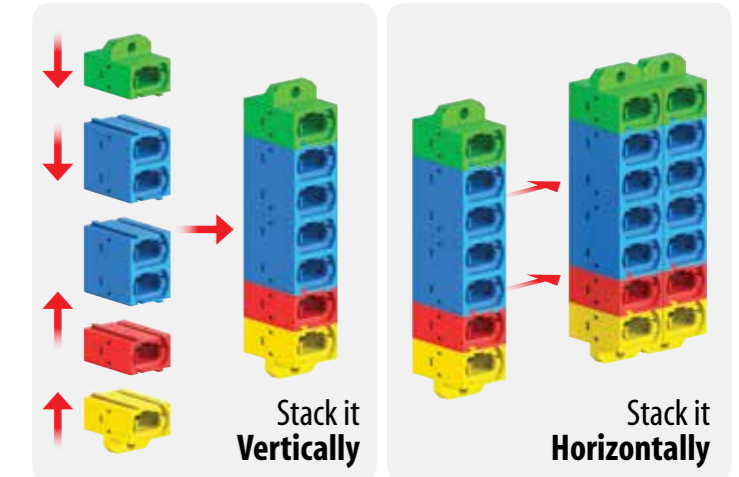
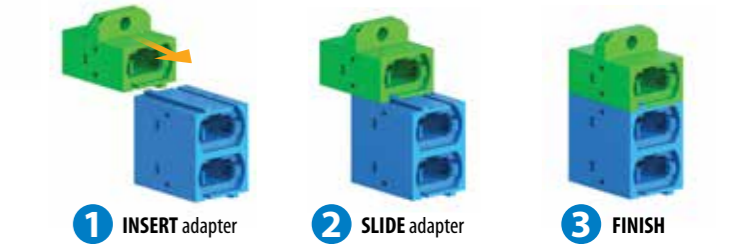
The Senko MPO-HD's lever design utilizes a flexible "pull-tab" allowing for the connector to be disengaged easily from densely loaded panels without the need for special tools.

Because the Senko MPO-HD Connector can be removed using a simple pull tab, it eliminates the need for finger access to the MPO connectors release mechanism, in dense applications.

MPO STACKABLE ADAPTERS

Introducing the new Senko MPO Stackable Adapters. You can stack them vertically & horizontally as many as you need.

SENKO MPO Stackable adapters are introduced to meet the challenges and mechanical requirements of high dense system design while maintaining industry standard footprints.



45° Angle Out type

