

Multi-Fiber Connectivity Solutions

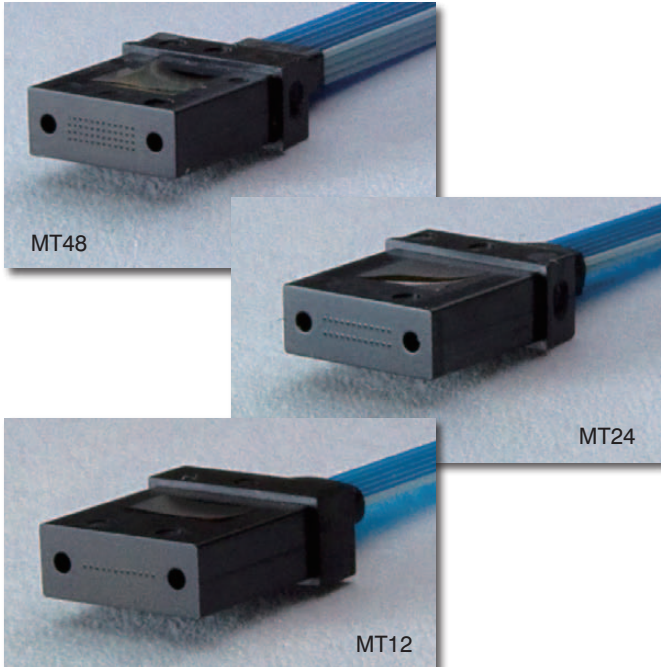


Multiple Applications

- Data center (Datacom)
- FTTH (Telecom)
- Interconnection
- etc.,

MT Ferrule

Introduction



Furukawa is one of the original developers of the MT ferrule and MPO connector. We have over 20 years experience in the supply of Multi-fiber connectors. With long term proven reliability, our FITEL MT ferrules and MPO connectors can meet the performance requirements of the Telecom industry standards.

Standard

- IEC 61754-5
- Telcordia GR-1435 (with our MPO kit)
- RoHS compliant

Feature

- MT ferrules can be used in various industry standard connectors such as the MPO connector etc.
- Direct connection between MT ferrules and MT ferrules are also available with our MT clips.
- MT ferrules are available in various fiber counts and can be custom made to our customer's specifications.
- MT ferrules are available in SM (Single-mode), SM LL (Single-mode Low Loss), and MM (Multi-mode).
- Long history of proven performance and high reliability (meet the requirement of IEC 61754-5, Telcordia GR-1435)

Line-up & Ordering Information for MT Ferrule

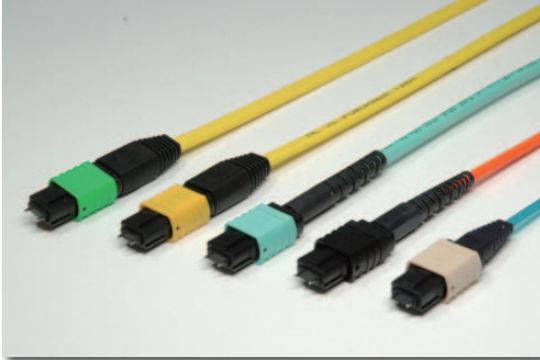
Fiber count	Ferrule type	Grade	Polishing Method	Insertion loss		Ordering information
				Typical	Max	
8	MM	Standard	Flat	0.1 dB	0.50 dB	20008-2-2F ^{*b}
	SM	Low loss	Angle	0.1 dB	0.35 dB	20008-2-3A ^{*b}
12	MM	Standard	Flat	0.1 dB	0.50 dB	20012-2-2F-M ^{*b}
		Standard	Angle	0.3 dB	0.70 dB	20012-2-1A ^{*b}
	SM	Low loss	Angle	0.1 dB	0.35 dB	20012-2-3A ^{*b}
24	MM	Standard	Flat	0.1 dB	0.50 dB	20024-2-2F ^{*b}
48	MM	Standard	Flat	0.1 dB ^{*a}	0.50 dB ^{*a}	20048-2-2F ^{*b}

*a: with index matching gel

*b: In case of MT ferrule with boot, please attach the "-B" at the end of ordering information.
e.g.) 20008-2-2F-B

Removable MPO Connector Kit

Introduction

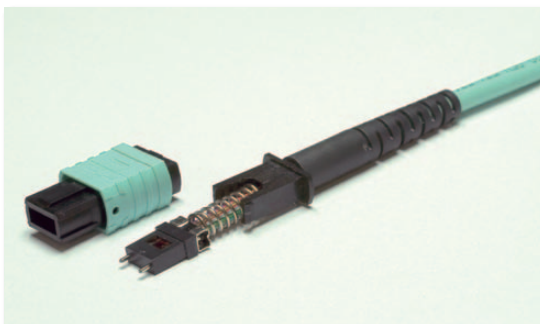


The Removable MPO connector kit allows for the re-polishing of the MT ferrule's end-face multiple times during the assembly process. The Removable MPO connector uses a special removal tool to allow the MPO connector's removal from the MT ferrule.

The new connector will allow our customer's to save time and money during the assembly process.

The MPO connector can be used with many types of cable, round cable for cable routing in any direction without high bending loss, Ribbon cable and bare ribbon. The MPO connector can be used for various applications in the Telecom, Datacom and industrial market.

Feature



Removable MPO connector kit advantages:

- Allows for the Re-polishing of the MT ferrule end-face
- Reduces time and materials during the re-assembly process
- Quick and Easy re-assembly with our special tools

Round cable advantages:

- Flexibility of cable routing
- Round cable allows for bending in multiple directions.

*We recommend MiniPack made by OFS for 12, 24-fiber round cable.

Standard

- IEC 61754-7
- Telcordia GR-1435 (with our MT ferrule)
- RoHS compliant

Ordering Information for Removable MPO Connector Kit

MPO (R) — 1 — 2 — 3

Symbol	Fiber type	Housing color
S	Single mode	Green
LL	Single mode, Low loss	Yellow
G	Multi-mode (50/125)	Black
G62	Multi-mode (62.5/125)	Beige
GL	Multi-mode OM3	Aqua

Symbol	Guide-pin
P	With guide-pin (Male type)
N	Without guide-pin (Female type)

Symbol	Cable type
T	For bare ribbon
T (S)	For bare ribbon (with short boot)
TCF	For ruggedized cable
R3.0*	12-fiber round cable
R3.8*	24-fiber round cable

*We propose to use MiniPack made by OFS for 12, 24-fiber round cable.

Contact Sales Office



FURUKAWA ELECTRIC CO., LTD. <http://www.furukawa.co.jp/jyotsutop/english/>

HEAD OFFICE

Marunouchi Nakadori Bldg., 2-3, Marunouchi 2-chome,
Chiyodaku, Tokyo 100-8322, Japan
Tel: +81-3-3286-3222 Fax: +81-3-3286-3708
E-mail: mtsales@ho.furukawa.co.jp
<http://www.furukawa.co.jp/english/>

OFS Fitel, LLC.

Specialty Photonics Division
25 Schoolhouse Road Somerset, NJ 08873
Tel: +1-732-748-7430 Fax: +1-732-748-7436
E-mail: info@specialtyphotonics.com
<http://www.specialtyphotonics.com/>

FURUKAWA ELECTRIC EUROPE LTD. (FEEL)

3rd Floor, Newcombe House, 43-45 Notting Hill Gate, London
W11 3FE, United Kingdom
Tel: +44-20-7313-5320 Fax: +44-20-7313-5310
E-mail: sales@furukawa.co.uk
<http://www.furukawa.co.uk/>

FURUKAWA ELECTRIC SINGAPORE PTE. LTD. (FES)

10 Anson Road, #25-08 International Plaza, Singapore 079903
Tel: +65-6328-9870 Fax: +65-6224-2362
E-mail: comms@furukawa.com.sg
<http://www.furukawa.com.sg/>

FURUKAWA SHANGHAI LTD. (FSL)

Room1006, Hongyi Plaza, 288 Jiujiang Road, Shanghai,
P.R.China
Tel: +86-21-3366-5301 Fax: +86-21-3366-5308
E-mail: sales@furukawa-sh.com
<http://www.furukawa-sh.cn/>

FURUKAWA ELECTRIC HONG KONG LTD. (FEHK)

Suite 2606, Shell Tower, Times Square, 1 Matheson Street,
Causeway Bay, Hong Kong
Tel: +852-2512-8938 Fax: +852-2512-9717
<http://www.fehk.com.hk/>

FURUKAWA ELECTRIC TRADING SZ LTD. (FTSZ)

Room 4801A, Block A, United Plaza, No.5022 Bin He Road,
Futian District Shenzhen, P.R.China
Tel: +86-755-8373-4878
E-mail: tondy@fehkc.cn
<http://www.fehk.com.hk/>

- The products and their appearances, as described in this catalogue, are subject to change for improvement without prior notice.
- Company and product names appearing in this catalogue are registered trademarks or trademarks of respective companies.

Export Control Regulations

The products and/or technical information presented in this publication may be subject to the application of the Foreign Exchange and Foreign Trade Act and other related laws and regulations in Japan.
In addition, the Export Administration Regulations (EAR) of the United States may be applicable.
In cases where exporting or reexporting the products and/or technical information presented in this publication, customers are requested to follow the necessary procedures at their own responsibility and cost.
Please contact the Ministry of Economy, Trade and Industry of Japan or the Department of Commerce of the United States for details about procedures.