

Patchcord MPO/MTP Q-Fiber

Description

Q-Fiber MPO/MTP Patchcords are high-class fiber optic technology products. High quality production materials (Japanese MPO connectors or MTP US Conec connectors) and the involvement of experienced engineers guarantee the best quality transmission. On the production line we use tools from companies such as: Fujikura, US Conec, NTT. Each product is customized, which means Q-Fiber patchcords can come in any configuration.

Application

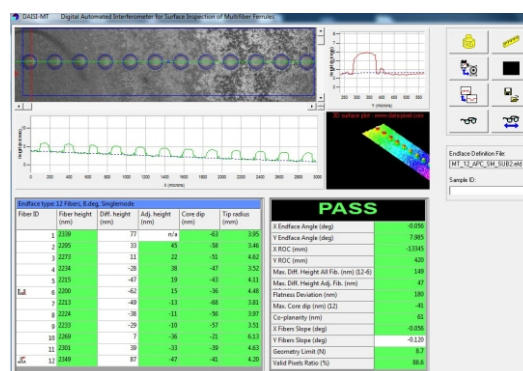
Telecommunications, Data Center, LAN, MAN, WAN, FTTX, Measuring Elements.

Properties

- » Any length (length tolerance is up 10 m: 10 cm, above: 1%),
- » Cable: flat (with jacket), ribbon (without jacket), round,
- » Cable LSOH,
- » Termoplastic or thermoset connector ferrule,
- » Up to 24 fibers in MPO/MTP connector,
- » Compliance with the following standards: PN-EN 61754-7, PN-EN 50377-15-1, IEC PAS 61755-3-31,
- » RoHS compliance.

Polishing standard

- » PC (for MM connectors),
- » APC 8°(for SM connectors).



Parameters

Parameter	MT Ferrule 12F (MPO/MTP)			
	MM/PC	SM/APC 8	MM/PC	SM/APC 8
	Standard	Standard	Premium (Low Loss)	Premium (Low Loss)
Max. insertion loss [dB]	≤ 0,60 (grade B _M)	≤ 0,75 (grade D)	≤ 0,50 (grade C)	≤ 0,50 (grade C)
Typical insertion loss [dB]	≤ 0,35 (grade B _M)	≤ 0,5 (grade D)	≤ 0,25 (grade C)	≤ 0,25 (grade C)
Reflection [dB]	≥ 20 (grade 2 _M)	≥ 60 (grade 1)	≥ 20 (grade 2 _M)	≥ 60 (grade 1)
Maximum angle error [°]	0,2	0,2	0,2	0,2
Fiber height* [um]	-3,5 ÷ -1,0*	-3,5 ÷ -1,0*	-3,5 ÷ -1,0*	-3,5 ÷ -1,0*

Parameter	MT Ferrule 24F (MPO/MTP)			
	MM/PC	SM/APC 8	MM/PC	SM/APC 8
	Standard	Standard	Premium (Low Loss)	Premium (Low Loss)
Max. insertion loss [dB]	≤ 1,00 (grade C _M)	≤ 1,00 (grade D)	≤ 0,60 (grade B _M)	≤ 0,75 (grade D)
Typical insertion loss [dB]	≤ 0,50 (grade C _M)	≤ 0,50 (grade D)	≤ 0,35 (grade B _M)	≤ 0,50 (grade D)
Reflection [dB]	≥ 20 (grade 2 _M)	≥ 60 (grade 1)	≥ 20 (grade 2 _M)	≥ 60 (grade 1)
Maximum angle error [°]	0,2	0,2	0,2	0,2
Fiber height* [um]	-3,5 ÷ -1,0*	-3,5 ÷ -1,0*	-3,5 ÷ -1,0*	-3,5 ÷ -1,0*

* negative value indicates the extension of a fibre

** possibility to order connectors of different parameters, according to the standards of the customer

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Types of connectors



MPO



MTP

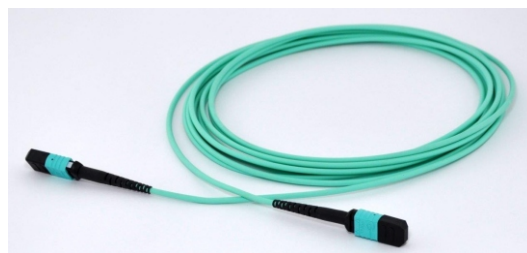
Photos



Ribbon Cable



Flat Cable



Round Cable

How to order

PIG.MPO*

Type:
A=Type A
B=Type B
C=Type C**

Cable type:
P=Flat
R=Ribbon
O=Round

Number of
fibers:
04=4 pcs.
: 24=24pcs.

Core type:
S2=SM G.652D
S7=SM G657a
M1=MM 62 OM1
M2=MM 50 OM2
M3=MM 50 OM3
M4=MM 50 OM4

Connector
standard:
S=Standard
P=Premium
(Low Loss)

Connector
type:
M=Male
Z=Female

Length:
0010=1 m
0020=2 m
: 0100=10 m

PAT.MPO*

Type:
A=Type A
B=Type B
C=Type C**

Cable type:
P=Flat
R=Ribbon
O=Round

Number of
fibers:
04=4 pcs.
: 24=24 pcs.

Core type:
S2=SM G.652D
S7=SM G657a
M1=MM 62 OM1
M2=MM 50 OM2
M3=MM 50 OM3
M4=MM 50 OM4

Connectors
standard:
S=Standard
P=Premium
(Low Loss)

Connector A
type :
M=Male
Z=Female

Connector B
type :
M=Male
Z=Female

Length:
0010=1 m
0020=2 m
: 0100=10 m

* In order to order a Pigtail/Patchcord MTP one has to use the catalogue code, i.e. PIG.MTP or PAT.MTP

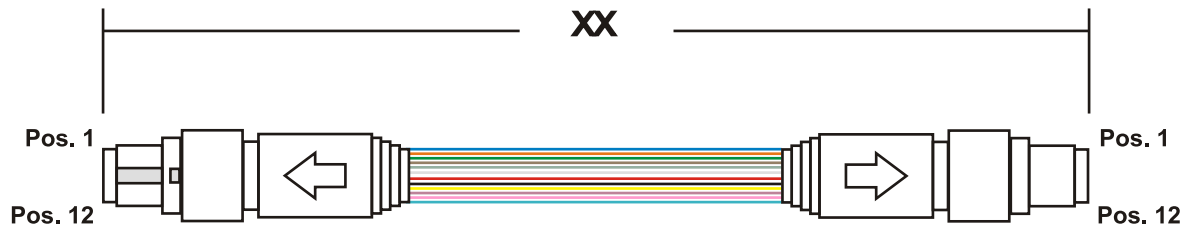
** only for 12F round cable with loose fibers

Information

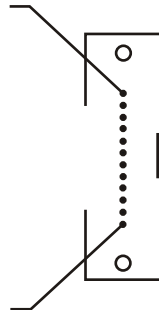
- » Product packed in a bag,
- » Each product is accompanied by a measurement protocol,
- » Ferrule secured cover.

Patchcord MPO/MTP Q-Fiber

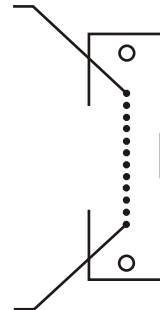
Configuration 12F Type A (for flat cable and ribbon cable): Key up / Key down



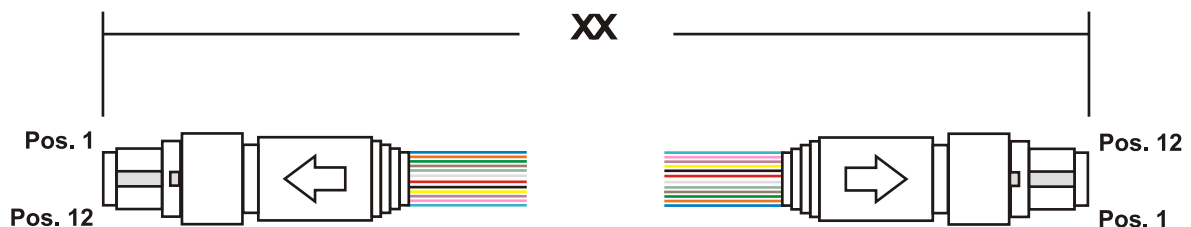
Position 1 (Fiber 1)
 Position 2 (Fiber 2)
 Position 3 (Fiber 3)
 Position 4 (Fiber 4)
 Position 5 (Fiber 5)
 Position 6 (Fiber 6)
 Position 7 (Fiber 7)
 Position 8 (Fiber 8)
 Position 9 (Fiber 9)
 Position 10 (Fiber 10)
 Position 11 (Fiber 11)
 Position 12 (Fiber 12)



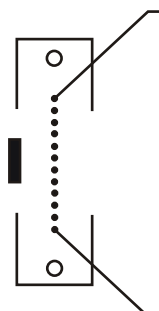
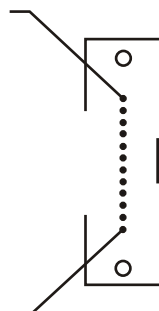
Position 1 (Fiber 1)
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 Position 3 (Fiber 3)
 Position 4 (Fiber 4)
 Position 5 (Fiber 5)
 Position 6 (Fiber 6)
 Position 7 (Fiber 7)
 Position 8 (Fiber 8)
 Position 9 (Fiber 9)
 Position 10 (Fiber 10)
 Position 11 (Fiber 11)
 Position 12 (Fiber 12)



Configuration 12F Type A (for round cable): Key up / Key up



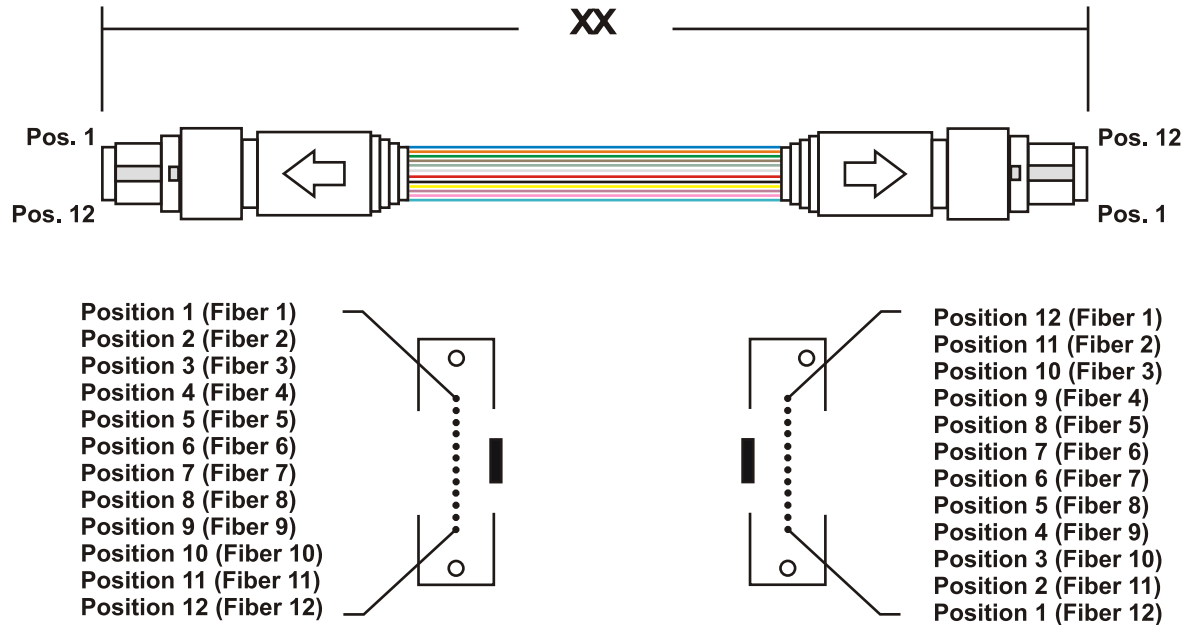
Position 1 (Fiber 1)
 Position 2 (Fiber 2)
 Position 3 (Fiber 3)
 Position 4 (Fiber 4)
 Position 5 (Fiber 5)
 Position 6 (Fiber 6)
 Position 7 (Fiber 7)
 Position 8 (Fiber 8)
 Position 9 (Fiber 9)
 Position 10 (Fiber 10)
 Position 11 (Fiber 11)
 Position 12 (Fiber 12)



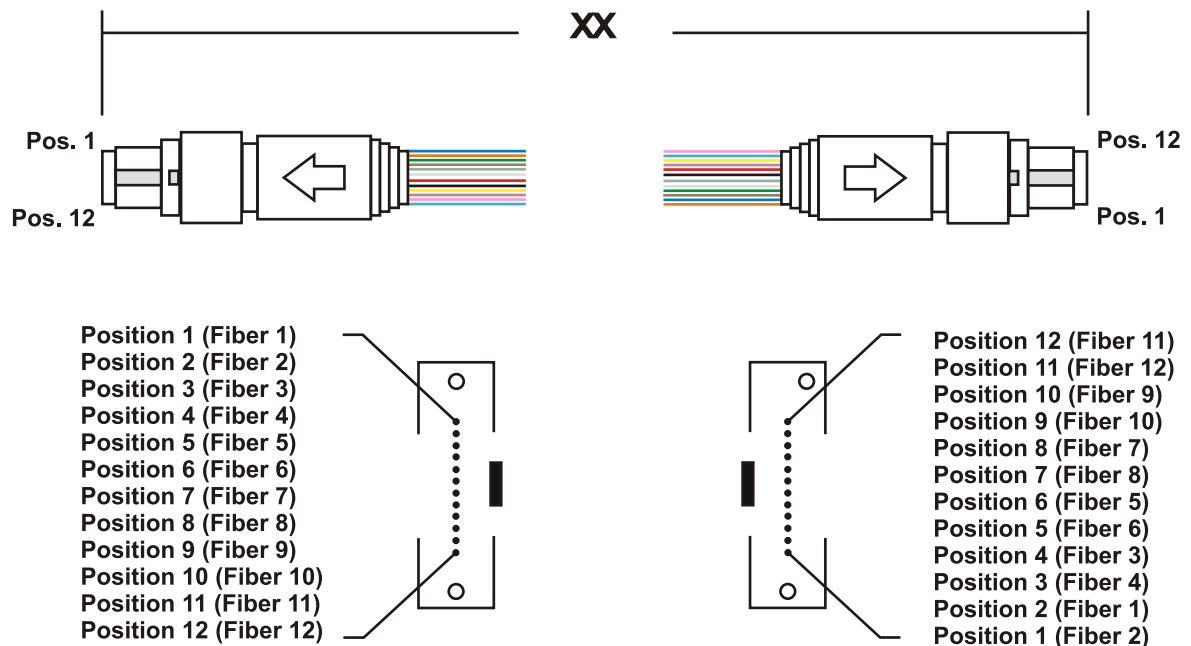
Position 12 (Fiber 12)
 Position 11 (Fiber 11)
 Position 10 (Fiber 10)
 Position 9 (Fiber 9)
 Position 8 (Fiber 8)
 Position 7 (Fiber 7)
 Position 6 (Fiber 6)
 Position 5 (Fiber 5)
 Position 4 (Fiber 4)
 Position 3 (Fiber 3)
 Position 2 (Fiber 2)
 Position 1 (Fiber 1)

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Configuration 12F Type B (for flat cable, ribbon cable, round cable): Key up / Key up

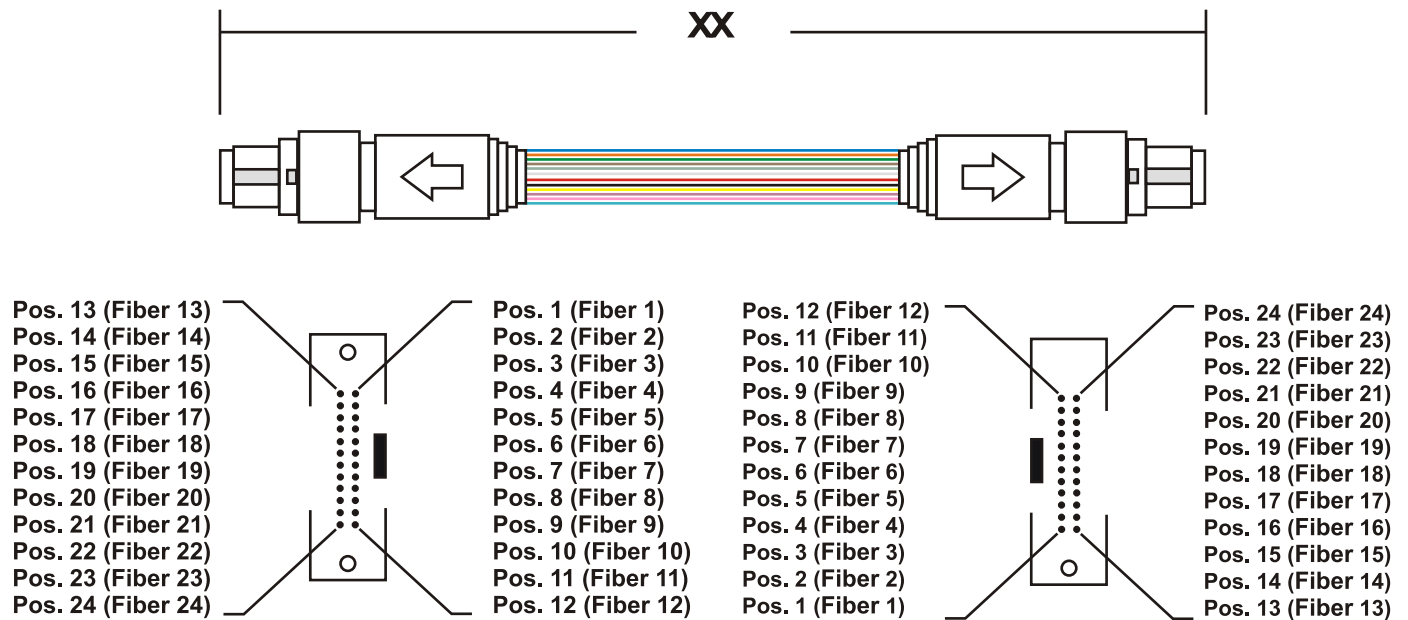


Configuration 12F Type C (for round cable): Key up / Key up

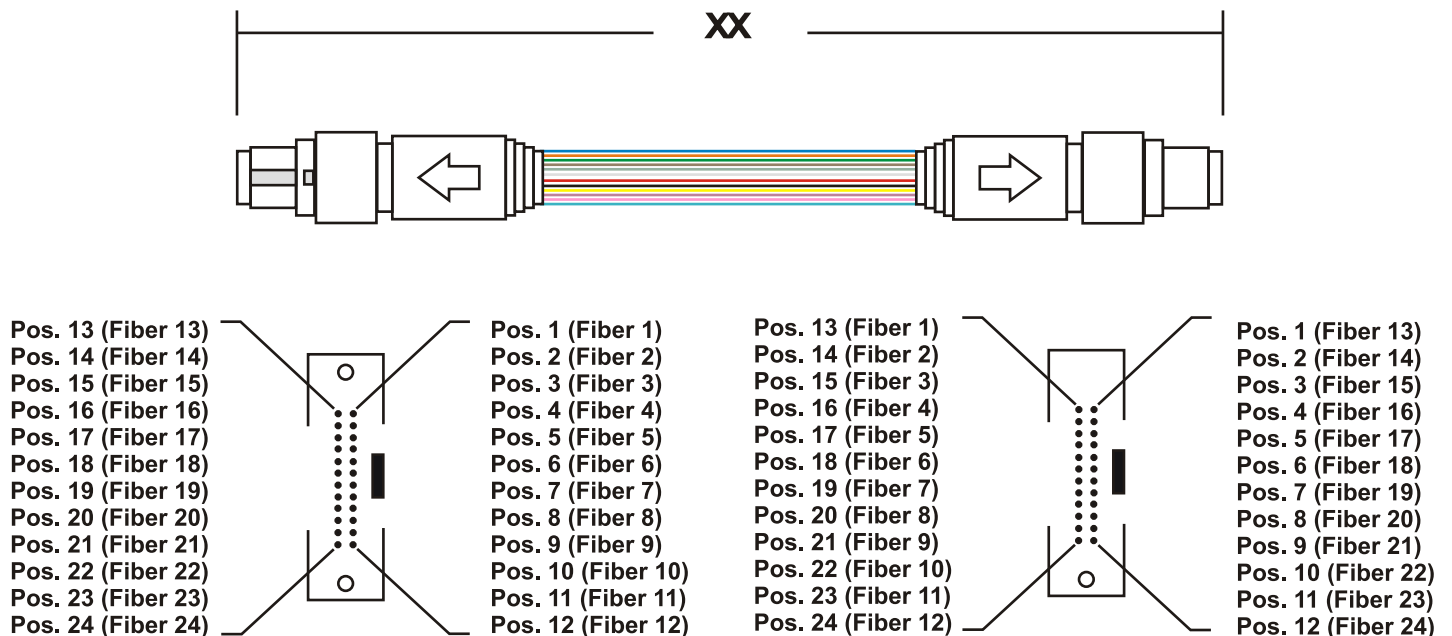


Patchcord MPO/MTP Q-Fiber

Configuration 24F Type A (for round cable): Key up / Key up



Configuration 24F Type B (for flat cable, ribbon cable): Key up / Key down



Patchcord MPO/MTP Q-Fiber

Configuration 24F Type B (for round cable): Key up / Key up

