Loopback MPO Q-Fiber

Description

Loopback MPO Q-Fiber is used to testing networks 40/100GbE and modules 40G BASE-SR4 QSFP+ and 100G BASE-SR10 CXP/CFP. The product is available in singlemode and multimode version. Can be made in any configuration.

Application

Network testing (LAN, MAN, WAN), modules testing QSFP/CXP/FP.

Properties/Parameters

» Standard length 15cm (tolerance ±3cm),
» Cable LSOH,
» Termoplastic connector ferrule (MPO),
» RoHS compliance.

Parameter	Ferrule MT 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]	≤ 1,20 (2 x grade BM)	≤ 1,50 (2 x grade D)	≤ 1,00 (2 x grade C)	≤ 1,00 (2 x grade C)
Typical insertion loss [dB]	≤ 0,70 (2 x grade BM)	≤ 1,00 (2 x grade D)	≤ 0,50 (2 x grade C)	≤ 0,50 (2 x grade C)
Reflection [dB]	≥ 20 (grade 2M)	≥ 60 (grade 1)	≥20 (grade 2M)	≥ 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*

Parametr	Ferrule MT 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]	≤ 2,00 (2 x grade CM)	≤ 2,00 (2 x grade D)	≤ 1,20 (2 x grade BM)	≤ 1,50 (2 x grade D)
Typical insertion loss [dB]	≤ 1,00 (2 x grade CM)	≤ 1,00 (2 x grade D)	≤ 0,70 (2 x grade BM)	≤ 1,00 (2 x grade D)
Reflection [dB]	≥ 20 (grade 2M)	≥ 60 (grade 1)	≥ 20 (grade 2M)	≥ 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 diffrent parameters, according to the standards of the customer

How to order

LB.MPO — ☐ — ☐ — ☐ — ☐

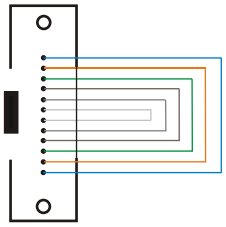
Number of fibers:
12=12 pcs
24=24 pcs

Core type:
S2=SM G.652D
S7=SM G.657a
M1=MM 62 OM1
M2=MM 50 OM2
M3=MM 50 OM3
M4=MM 50 OM4

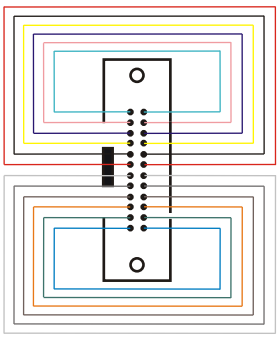
Connector:
S=Standard
P=Premium (Low Loss)

Connector type:
M=Male
Z=Female

Standard configuration 12F, 24F



12F



24F