



## Ⓐ MPO patch cords variants

(This applies analogously to all lengths L00830A0... to L00836A0...)

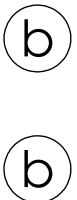
L0083xA0...	MPO beige female patch cord ...m	3mm round cable orange 50µ OM2
L0083xA0...	MPO aqua female patch cord ...m	3mm round cable aqua 50µ OM3
L0083xA0...	MPO black female patch cord ...m	3mm round cable violet 50µ OM4
L0083xA0...	MPO APC green female patch cord ...m	3mm round cable yellow 50µ OS2

## MPO FanOut Cord performance characteristics

MPO patch cord	OS2		OM2/OM3/OM4	
	IL in dB @ 1310nm	RL in dB @ 1310nm	IL in dB @ 850nm	RL in dB @ 850nm
patch cord MPO/PC			<0,5 (typ. 0,2)	>30
patch cord MPO/APC	<0,7 (typ. 0,25)	>60		

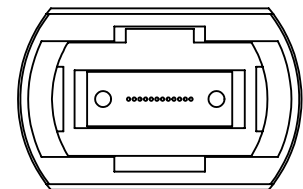
patchcord length l [mm]	tolerance [mm]
0 < l < 2000	+/- 50
2001 < l < 5000	+/- 60
5001 < l < 15000	+/- 150
15001 < l < 30000	+/- 300
30001 < l < 100000	+/- 500

polarization	acc. Type A
dimensions round cable [mm]	3mm
bending radius round cable [mm]	15 x OD
connectors	female
Repeatability (matings) MPO	>500
operating temperature [°C]	-5 ... 55



## MPO components, types of polarization

pin connector 1	pin connector 2			
	type A	type B	type C	type D
1	1	12	2	customized
2	2	11	1	
3	3	10	4	
4	4	9	3	
5	5	8	6	
6	6	7	5	
7	7	6	8	
8	8	5	7	
9	9	4	10	
10	10	3	9	
11	11	2	12	
12	12	1	11	



1 2 3 4 5 6 7 8 9 10 11 12  
(connector endface and pin position)

Telegärtner Karl Gärtner GmbH refers to polarization acc. to type A for use with standard 1:1 and crossover FO patch cords. Please make sure, your transmission line only consists of components with the same polarization type to ensure the proper R+/R- fibre alignment.

Please ask for customized versions with polarization acc. to type B, C or D.

b a	30996 28592	16.12.19 15.03.17	LT KR	2010	Datum/ date	Name/ name	Gewicht/ weight [g]	Oberfläche/ surface [mm²]	Werkstoff/ material
				gez./ drawn	16.02.	LT			
									Oberfläche/ finish
				Norm/ stand.					
				Maßstab/ scale	Benennung/ title				
				1:1	MPO patchcord data sheet				
				untol. Maße/ dim. without tolerances according to	Unterl./doc. type	Zeichnungsnr./ drawing no.			
				DIN 7168 mittel	D	T00012A0040			
					Ersatz für/ replaces				
								<b>Telegärtner</b> GERÄTEBAU GMBH	
								Maße/ dimensions: mm	
								Original : DIN A4 infor-XXXXXX	
								Blatt/ sheet 1 von/ of 1	