
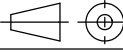


# MPO patch cord datasheet


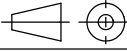


## MPO patch cords part numbers

L00830A0004	MPO beige female patch cord 1m	ribboncable orange 50µ OM2
L00830A0005	MPO aqua female patch cord 1m	ribboncable aqua 50µ OM3
L00830A0006	MPO aqua female patch cord 1m	ribboncable aqua 50µ OM4
L00830A0007	MPO APC green female patch cord 1m	ribboncable yellow 9µ OS2
L00831A0004	MPO beige female patch cord 2m	ribboncable orange 50µ OM2
L00831A0005	MPO aqua female patch cord 2m	ribboncable aqua 50µ OM3
L00831A0006	MPO aqua female patch cord 2m	ribboncable aqua 50µ OM4
L00831A0007	MPO APC green female patch cord 2m	ribboncable yellow 9µ OS2
L00832A0004	MPO beige female patch cord 3m	ribboncable orange 50µ OM2
L00832A0005	MPO aqua female patch cord 3m	ribboncable aqua 50µ OM3
L00832A0006	MPO aqua female patch cord 3m	ribboncable aqua 50µ OM4
L00832A0007	MPO APC green female patch cord 3m	ribboncable yellow 9µ OS2
L00833A0004	MPO beige female patch cord 5m	ribboncable orange 50µ OM2
L00833A0005	MPO aqua female patch cord 5m	ribboncable aqua 50µ OM3
L00833A0006	MPO aqua female patch cord 5m	ribboncable aqua 50µ OM4
L00833A0007	MPO APC green female patch cord 5m	ribboncable yellow 9µ OS2
L00835A0004	MPO beige female patch cord 10m	ribboncable orange 50µ OM2
L00835A0005	MPO aqua female patch cord 10m	ribboncable aqua 50µ OM3
L00835A0006	MPO aqua female patch cord 10m	ribboncable aqua 50µ OM4
L00835A0007	MPO APC green female patch cord 10m	ribboncable yellow 9µ OS2
L00836A0010	MPO beige female patch cord 15m	ribboncable orange 50µ OM2
L00836A0011	MPO aqua female patch cord 15m	ribboncable aqua 50µ OM3
L00836A0012	MPO aqua female patch cord 15m	ribboncable aqua 50µ OM4
L00836A0013	MPO APC green female patch cord 15m	ribboncable yellow 9µ OS2
L00836A0014	MPO beige female patch cord 20m	ribboncable orange 50µ OM2
L00836A0015	MPO aqua female patch cord 20m	ribboncable aqua 50µ OM3
L00836A0016	MPO aqua female patch cord 20m	ribboncable aqua 50µ OM4
L00836A0017	MPO APC green female patch cord 20m	ribboncable yellow 9µ OS2

				2010	Datum/ date	Name/ name	Gewicht/ weight [g]	Oberfläche/ surface [mm²]	Werkstoff/ material	
				gez./ drawn	16.02.	LT				
				gepr./ appr.	17.02.	SW			Oberfläche/ finish	
				Norm/ stand.						
			Maßstab/ scale	Benennung/ title						
			1:1	MPO patchcord data sheet						
			untol. Maße/ dim. without tolerances according to	Untert./ doc. type	Zeichnungsnr./ drawing no.					
			DIN 7168 mittel	D	T00012A0040					
			Änderungsmittelung/ revision code	Datum/ date	Name/ name	 <b>Telegärtner</b> <b>GERÄTEBAU GMBH</b>				
			Änd./ rev. Index				 Maße/ dimensions: mm Original : DIN A4 infor-XXXXXX Blatt/ sheet 1 von/ of 3			

L00836A0018	MPO beige female patch cord 25m	ribboncable orange 50µ OM2
L00836A0019	MPO aqua female patch cord 25m	ribboncable aqua 50µ OM3
L00836A0020	MPO aqua female patch cord 25m	ribboncable aqua 50µ OM4
L00836A0021	MPO APC green female patch cord 25m	ribboncable yellow 9µ OS2
L00836A0022	MPO beige female patch cord 30m	ribboncable orange 50µ OM2
L00836A0023	MPO aqua female patch cord 30m	ribboncable aqua 50µ OM3
L00836A0024	MPO aqua female patch cord 30m	ribboncable aqua 50µ OM4
L00836A0025	MPO APC green female patch cord 30m	ribboncable yellow 9µ OS2
L00836A0026	MPO beige female patch cord 35m	ribboncable orange 50µ OM2
L00836A0027	MPO aqua female patch cord 35m	ribboncable aqua 50µ OM3
L00836A0028	MPO aqua female patch cord 35m	ribboncable aqua 50µ OM4
L00836A0029	MPO APC green female patch cord 35m	ribboncable yellow 9µ OS2
L00836A0030	MPO beige female patch cord 40m	ribboncable orange 50µ OM2
L00836A0031	MPO aqua female patch cord 40m	ribboncable aqua 50µ OM3
L00836A0032	MPO aqua female patch cord 40m	ribboncable aqua 50µ OM4
L00836A0033	MPO APC green female patch cord 40m	ribboncable yellow 9µ OS2
L00836A0034	MPO beige female patch cord 50m	ribboncable orange 50µ OM2
L00836A0035	MPO aqua female patch cord 50m	ribboncable aqua 50µ OM3
L00836A0036	MPO aqua female patch cord 50m	ribboncable aqua 50µ OM4
L00836A0037	MPO APC green female patch cord 50m	ribboncable yellow 9µ OS2
L00836A0038	MPO beige female patch cord 60m	ribboncable orange 50µ OM2
L00836A0039	MPO aqua female patch cord 60m	ribboncable aqua 50µ OM3
L00836A0040	MPO aqua female patch cord 60m	ribboncable aqua 50µ OM4
L00836A0041	MPO APC green female patch cord 60m	ribboncable yellow 9µ OS2
L00836A0042	MPO beige female patch cord 70m	ribboncable orange 50µ OM2
L00836A0043	MPO aqua female patch cord 70m	ribboncable aqua 50µ OM3
L00836A0044	MPO aqua female patch cord 70m	ribboncable aqua 50µ OM4
L00836A0045	MPO APC green female patch cord 70m	ribboncable yellow 9µ OS2
L00836A0046	MPO beige female patch cord 80m	ribboncable orange 50µ OM2
L00836A0047	MPO aqua female patch cord 80m	ribboncable aqua 50µ OM3
L00836A0048	MPO aqua female patch cord 80m	ribboncable aqua 50µ OM4
L00836A0049	MPO APC green female patch cord 80m	ribboncable yellow 9µ OS2
L00836A0050	MPO beige female patch cord 90m	ribboncable orange 50µ OM2
L00836A0051	MPO aqua female patch cord 90m	ribboncable aqua 50µ OM3
L00836A0052	MPO aqua female patch cord 90m	ribboncable aqua 50µ OM4
L00836A0053	MPO APC green female patch cord 90m	ribboncable yellow 9µ OS2
L00836A0054	MPO beige female patch cord 100m	ribboncable orange 50µ OM2
L00836A0055	MPO aqua female patch cord 100m	ribboncable aqua 50µ OM3
L00836A0056	MPO aqua female patch cord 100m	ribboncable aqua 50µ OM4
L00836A0057	MPO APC green female patch cord 100m	ribboncable yellow 9µ OS2

				2010	Datum/ date	Name/ name	Gewicht/ weight [g]	Oberfläche/ surface [mm²]	Werkstoff/ material
				gez./ drawn	16.02.	LT			
				gepr./ appr.	17.02.	SW			Oberfläche/ finish
				Norm/ stand.					
				Maßstab/ scale	Benennung/ title				 <b>Telegärtner</b> GERÄTEBAU GMBH
				1:1	MPO patchcord data sheet				
				untol. Maße/ dim. without tolerances according to	Untert./doc. type	Zeichnungsnr./ drawing no.		 Maße/ dimensions: mm	
				DIN 7168 mittel	D	T00012A0040			
Änd./ rev. Index	Änderungsmittellung/ revision code	Datum/ date	Name/ name	Ersatz für/ replaces		Original : DIN A4		infor-XXXXXX	
						Blatt/ sheet 2 von/ of 3			

## MPO FanOut Cord performance characteristics

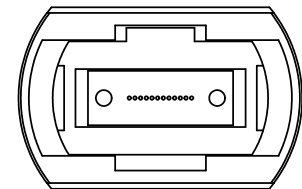
MPO patch cord	OS2		OM2/OM3/OM4	
	IL in dB @ 1310nm	RL in dB @ 1310nm	IL in dB @ 850nm	RL in dB @ 850nm
patch cord MPO/PC			<0,5 (typ. 0,2)	>30
patch cord MPO/APC	<0,7 (typ. 0,25)	>60		

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 ribbon cable [mm]	4,6x2,4
bending radius ribbon cable [mm]	15 x OD
connectors	female
Repeatability (matings) MPO	>500
operating temperature [°C]	-40 ... 75

## MPO components, types of polarization


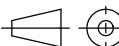
pin connector 1	pin connector 2			
	type A	type B	type C	type D
1	1	12	2	customized
2	2	11	1	
3	3	10	4	
4	4	9	3	
5	5	8	6	
6	6	7	5	
7	7	6	8	
8	8	5	7	
9	9	4	10	
10	10	3	9	
11	11	2	12	
12	12	1	11	



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.

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				Norm/ stand.					
				Maßstab/ scale	Benennung/ title				 <b>Telegärtner</b> GERÄTEBAU GMBH
				1:1	MPO patchcord data sheet				
				untol. Maße/ dim. without tolerances according to	Untert./doc. type	Zeichnungsnr./ drawing no.			
				DIN 7168 mittel	D	T00012A0040		 Maße/ dimensions: mm	
Änd./ rev. Index	Änderungsmittlung/ revision code	Datum/ date	Name/ name		Ersatz für/ replaces			Original : DIN A4	infor-XXXXXX
								Blatt/ sheet 3 von/ of 3	