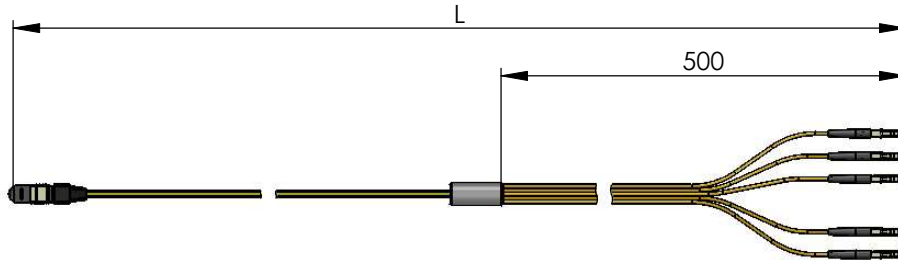

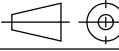


# MPO harness datasheet



## MPO Harnesses part numbers

L00830A0024	MPO Harness 12x2,1mm OM2 12LC MM	1,0m; MPOm+LC MM beige
L00830A0025	MPO Harness 12x2,1mm OM2 12SC MM	1,0m; MPOm+SC MM beige
L00830A0026	MPO Harness 12x2,1mm OM3 12LC MM	1,0m; MPOm+LC MM aqua
L00830A0027	MPO Harness 12x2,1mm OM3 12SC MM	1,0m; MPOm+SC MM aqua
L00830A0028	MPO Harness 12x2,1mm OM4 12LC MM	1,0m; MPOm+LC MM aqua
L00830A0029	MPO Harness 12x2,1mm OM4 12SC MM	1,0m; MPOm+SC MM aqua
L00830A0030	MPO Harness 12x2,1mm OS2 12LC/APC SM	1,0m; MPOm APC+LC/APC SM green
L00830A0031	MPO Harness 12x2,1mm OS2 12SC/APC SM	1,0m; MPOm APC+SC/APC SM green
L00830A0032	MPO Harness 12x2,1mm OS2 12LC SM	1,0m; MPOm APC+LC SM blue
L00830A0033	MPO Harness 12x2,1mm OS2 12SC SM	1,0m; MPOm APC+SC SM blue
L00831A0024	MPO Harness 12x2,1mm OM2 12LC MM	2,0m; MPOm+LC MM beige
L00831A0025	MPO Harness 12x2,1mm OM2 12SC MM	2,0m; MPOm+SC MM beige
L00831A0026	MPO Harness 12x2,1mm OM3 12LC MM	2,0m; MPOm+LC MM aqua
L00831A0027	MPO Harness 12x2,1mm OM3 12SC MM	2,0m; MPOm+SC MM aqua
L00831A0028	MPO Harness 12x2,1mm OM4 12LC MM	2,0m; MPOm+LC MM aqua
L00831A0029	MPO Harness 12x2,1mm OM4 12SC MM	2,0m; MPOm+SC MM aqua
L00831A0030	MPO Harness 12x2,1mm OS2 12LC/APC SM	2,0m; MPOm APC+LC/APC SM green
L00831A0031	MPO Harness 12x2,1mm OS2 12SC/APC SM	2,0m; MPOm APC+SC/APC SM green
L00831A0032	MPO Harness 12x2,1mm OS2 12LC SM	2,0m; MPOm APC+LC SM blue
L00831A0033	MPO Harness 12x2,1mm OS2 12SC SM	2,0m; MPOm APC+SC SM blue
L00832A0024	MPO Harness 12x2,1mm OM2 12LC MM	3,0m; MPOm+LC MM beige
L00832A0025	MPO Harness 12x2,1mm OM2 12SC MM	3,0m; MPOm+SC MM beige
L00832A0026	MPO Harness 12x2,1mm OM3 12LC MM	3,0m; MPOm+LC MM aqua
L00832A0027	MPO Harness 12x2,1mm OM3 12SC MM	3,0m; MPOm+SC MM aqua
L00832A0028	MPO Harness 12x2,1mm OM4 12LC MM	3,0m; MPOm+LC MM aqua
L00832A0029	MPO Harness 12x2,1mm OM4 12SC MM	3,0m; MPOm+SC MM aqua

				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 harness data sheet					
			untl. Maße/ dim. without tolerances according to	Untert./ doc. type	Zeichnungsnr./ drawing no.				
			DIN 7168 mittel	D	T00012A0038				
			Änderungsmittelung/ revision code	Datum/ date	Name/ name				
Änd./ rev. Index									
							 <b>Telegärtner</b> GERÄTEBAU GMBH		
							 Maße/ dimensions: mm Original : DIN A4 infor-XXXXXX Blatt/ sheet 1 von/ of 2		


L00832A0030	MPO Harness 12x2,1mm OS2 12LC/APC SM	3,0m; MPOm APC+LC/APC SM green
L00832A0031	MPO Harness 12x2,1mm OS2 12SC/APC SM	3,0m; MPOm APC+SC/APC SM green
L00832A0032	MPO Harness 12x2,1mm OS2 12LC SM	3,0m; MPOm APC+LC SM blue
L00832A0033	MPO Harness 12x2,1mm OS2 12SC SM	3,0m; MPOm APC+SC SM blue
L00833A0024	MPO Harness 12x2,1mm OM2 12LC MM	5,0m; MPOm+LC MM beige
L00833A0025	MPO Harness 12x2,1mm OM2 12SC MM	5,0m; MPOm+SC MM beige
L00833A0026	MPO Harness 12x2,1mm OM3 12LC MM	5,0m; MPOm+LC MM aqua
L00833A0027	MPO Harness 12x2,1mm OM3 12SC MM	5,0m; MPOm+SC MM aqua
L00833A0028	MPO Harness 12x2,1mm OM4 12LC MM	5,0m; MPOm+LC MM aqua
L00833A0029	MPO Harness 12x2,1mm OM4 12SC MM	5,0m; MPOm+SC MM aqua
L00833A0030	MPO Harness 12x2,1mm OS2 12LC/APC SM	5,0m; MPOm APC+LC/APC SM green
L00833A0031	MPO Harness 12x2,1mm OS2 12SC/APC SM	5,0m; MPOm APC+SC/APC SM green
L00833A0032	MPO Harness 12x2,1mm OS2 12LC SM	5,0m; MPOm APC+LC SM blue
L00833A0033	MPO Harness 12x2,1mm OS2 12SC SM	5,0m; MPOm APC+SC SM blue
L00835A0024	MPO Harness 12x2,1mm OM2 12LC MM	10,0m; MPOm+LC MM beige
L00835A0025	MPO Harness 12x2,1mm OM2 12SC MM	10,0m; MPOm+SC MM beige
L00835A0026	MPO Harness 12x2,1mm OM3 12LC MM	10,0m; MPOm+LC MM aqua
L00835A0027	MPO Harness 12x2,1mm OM3 12SC MM	10,0m; MPOm+SC MM aqua
L00835A0028	MPO Harness 12x2,1mm OM4 12LC MM	10,0m; MPOm+LC MM aqua
L00835A0029	MPO Harness 12x2,1mm OM4 12SC MM	10,0m; MPOm+SC MM aqua
L00835A0030	MPO Harness 12x2,1mm OS2 12LC/APC SM	10,0m; MPOm APC+LC/APC SM green
L00835A0031	MPO Harness 12x2,1mm OS2 12SC/APC SM	10,0m; MPOm APC+SC/APC SM green
L00835A0032	MPO Harness 12x2,1mm OS2 12LC SM	10,0m; MPOm APC+LC SM blue
L00835A0033	MPO Harness 12x2,1mm OS2 12SC SM	10,0m; MPOm APC+SC SM blue

### MPO Harnesses performance characteristics

MPO Harness	OS2		OM2/OM3/OM4	
	IL in dB @ 1310nm	RL in dB @ 1310nm	IL in dB @ 850nm	RL in dB @ 850nm
MPO/PC			<0,5 (typ. 0,2)	>30
MPO/APC	<0,7 (typ. 0,25)	>60		
SC/PC	<0,5	>40	<0,4	>30
SC/APC	<0,5	>60		
LC/PC	<0,5	>40	<0,4	>30
LC/APC	<0,5	>60		

dimensions ribboncable [mm]	4,6x2,4
bending radius ribboncable	15 x OD
bending radius single fiber	min. 30mm
outer diameter single fiber	2,1mm ± 0,1
outer diameter splitter	~ 15mm
length of splitter	~ 50mm
Repeatability (matings) SC/LC	>1000
Repeatability (matings) MPO	>500
operating temperature [°C]	-5 ... 55

MPO Harness 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

2010	Datum/ date	16.02.	Name/ name	LT	Gewicht/ weight [g]	Oberfläche/ surface [mm²]	Werkstoff/ material	
	gez./ drawn	17.02.	SW					
	gepr./ appr.						Oberfläche/ finish	
	Norm/ stand.							
Maßstab/ scale	Benennung/ title							
1:1	MPO harness data sheet							
untol. Maße/ dim. without tolerances according to	Untert./ doc. type	Zeichnungsnr./ drawing no.					 <b>Telegärtner</b> GERÄTEBAU GMBH	
DIN 7168 mittel	D	T00012A0038						
Änd./ rev. Index	Änderungsmittlung/ revision code	Datum/ date	Name/ name	Ersatz für/ replaces			Maße/ dimensions: mm Original : DIN A4 infor-XXXXXX Blatt/ sheet 2 von/ of 2	