

Min. Assembly Length: 0.5 m

Previous drawing number:
FL-P-2301~2304-0850-XX-R

No.	Description	Reference
1	Cable	See Section 2
2	End A Connector Assembly	See Section 3
3	End B Connector Assembly	See Section 3
4	Serial Number Label (Wrap-Around)	D-00-FF-0003

REV.	DESCRIPTION	DATE	INITIAL
5	title, polarity options, and connectors updated	21/12/22	LB
4	Polarity A Added	22/06/22	LB
3	Title, Cable Option, Connectors & Polarity Updated	06/06/22	LB
2	Add a new cable option of LSZH jacket	25/05/22	Tao.Ling
1	First Issue	30/04/21	AG

Revisions

DRAWN	NAME	DATE
L.Burrell	L.Burrell	21/12/2022

SIZE: A4

DRAWING NOT TO SCALE

TITLE	12f 3mm/3mm MPO/MPO MC
DWG.#	HS-A-2302-0126-05
FAMILY PART #	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AFL HYPERSCALE Ltd. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AFL HYPERSCALE Ltd. IS PROHIBITED.	

PROD. REF.	D-01-FF-0001	TEST REF.	
AFL HYPERSCALE Davy Avenue, Knowlhill, Milton Keynes, MK5 8HJ			
SHEET	1 of 5	REV	4

TOLERANCES UNLESS OTHERWISE STATED LINEAR DIMENSIONS: MM (IN)	
OVERALL LENGTHS	±25mm
<1m	-0/+50mm
1m - 5m:	-0/+150mm
5m - 20m:	-0/+200mm
>20m	-0/+1%

2. CABLE OPTIONS + FURCATION TUBE OPTIONS

MICROCABLE

Cable	REFERENCE
12f Eca Single Jacket Microcable	C-48-FF-0001
12f Cca Single Jacket Microcable	C-48-FF-0003
12f LSZH Single Jacket Microcable	C-20-FF-0001
12f OFNP Single Jacket Microcable	C-69-HS-0126
-	-

FIBRE OPTIONS

FIBRE TYPE	CABLE COLOUR
G.657A1	Yellow
OM3	Aqua
OM4	Aqua
OM4	Erika Violet

3. CONNECTOR OPTIONS

END A	REFERENCE
12f MPO Female Connector	FL-A-1909-0020-XX-R
12f MPO Male Connector	FL-A-1909-0020-XX-R
-	-
-	-

END B	REFERENCE
12f MPO Female Connector	FL-A-1909-0020-XX-R
12f MPO Male Connector	FL-A-1909-0020-XX-R
-	-
-	-

4. END FACE GEOMETRY/VISUAL/OPTICAL PERFORMANCE

DESCRIPTION	SINGLEMODE	MULTIMODE
Enhanced	D-00-FF-0001	D-00-FF-0001
Premium	D-00-FF-0001	D-00-FF-0001

5. GLAND OPTIONS

	END A	END B
Compression Gland without nut*		
Compression Gland with Nut		
No Compression Gland	X	X

*Nut to be supplied in separate bag



6. END PROTECTION

FOR ALL LENGTHS	END A	END B
Corrugated Tubing (SOP-D-0029)		
Bubble Wrap	X	X
No Protection		

7. PULLING OPTIONS

FOR LENGTH OVER 20M	END A	END B
Pulling Sock (SOP-D-0002)		
No Pulling	X	X

5	title, polarity options, and connectors update	21/12/22	LB
4	Polarity A Added	22/06/22	LB
3	Title, Cable Option, Connectors & Polarity Updated	06/06/22	LB
2	Add a new cable option of LSZH jacket	25/05/22	Tao.Ling
1	First Issue	30/04/21	AG
REV.	DESCRIPTION	DATE	INITIAL
Revisions			

DRAWN	NAME	DATE	TITLE	PROD. REF.	TEST REF.
L.Burrell	L.Burrell	21/12/2022	12f 3mm/3mm MPO/MPO MC	D-01-FF-0001	
SIZE	A4	DWG.#	HS-A-2302-0126-05	FAMILY PART #	
DRAWING NOT TO SCALE			PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AFL HYPERSCALE Ltd. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AFL HYPERSCALE Ltd. IS PROHIBITED.	UNLESS OTHERWISE STATED LINEAR DIMENSIONS: MM (IN) TOLERANCES OVERALL LENGTHS <1m: ±25mm 1m - 5m: -0/+50mm 5m - 20m: -0/+200mm >20m: -0/+1%	AFL HYPERSCALE. Davy Avenue, Knowhill, Milton Keynes, MK5 8HJ
			SHEET 2 of 5	REV 4	

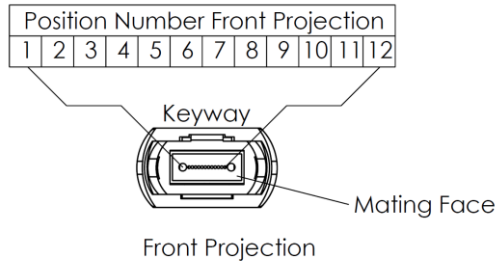
MPO to MPO

Method: A

End A

MPO Polarity as viewed from ferrule end face with Keyway at the top -Left to Right	
Position	Fibre Colour
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	White
7	Red
8	Black
9	Yellow
10	Purple
11	Pink
12	Aqua

MPO Polarity as viewed from ferrule end face with Keyway at the top -Left to Right	
Position	Fibre Colour
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	White
7	Red
8	Black
9	Yellow
10	Purple
11	Pink
12	Aqua



5	Title, polarity options, and connectors updated	21/12/22	LB
4	Polarity A Added	22/06/22	LB
3	Title, Cable Option, Connectors & Polarity Updated	06/06/22	LB
2	Add a new cable option of LSZH jacket	25/05/22	Tao.Ling
1	First Issue	30/04/21	AG
REV.	DESCRIPTION	DATE	INITIAL
Revisions			

DRAWN		NAME	DATE	TITLE	PROD. REF.	TEST REF.
DRAWN		L.Burrell	21/12/2022	12f 3mm/3mm MPO/MPO MC	D-01-FF-0001	
SIZE	A4			DWG.# HS-A-2302-0126-05	FAMILY PART #	
DRAWING NOT TO SCALE				<small>UNLESS OTHERWISE STATED LINEAR DIMENSIONS: MM (IN)</small> <small>TOLERANCES</small> <small>OVERALL LENGTHS</small> <1m -0/+50mm 1m - 5m: -0/+150mm 5m - 20m: -0/+200mm >20m -0/+1%		
				AFL HYPERSCALE. Davy Avenue, Knowlhill, Milton Keynes, MK5 8HJ		
				SHEET	3 of 5	REV 4

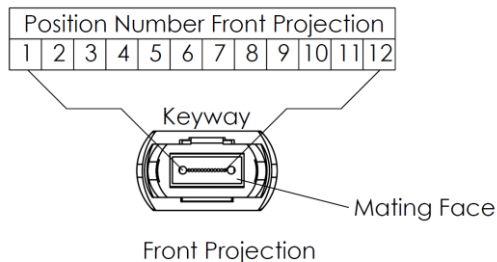
MPO to MPO

Method: B

End A

MPO Polarity as viewed from ferrule end face with Keyway at the top -Left to Right	
Position	Fibre Colour
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	White
7	Red
8	Black
9	Yellow
10	Purple
11	Pink
12	Aqua

MPO Polarity as viewed from ferrule end face with Keyway at the top -Left to Right	
Position	Fibre Colour
1	Aqua
2	Pink
3	Purple
4	Yellow
5	Black
6	Red
7	White
8	Grey
9	Brown
10	Green
11	Orange
12	Blue



5	title, polarity options, and connectors updated	21/12/22	LB
4	Polarity A Added	22/06/22	LB
3	Title, Cable Option, Connectors & Polarity Updated	06/06/22	LB
2	Add a new cable option of LSZH jacket	25/05/22	Tao.Ling
1	First Issue	30/04/21	AG
REV.	DESCRIPTION	DATE	INITIAL
Revisions			

DRAWN		NAME	DATE	TITLE	PROD. REF.	TEST REF.	
DRAWING NOT TO SCALE		L.Burrell	21/12/2022	12f 3mm/3mm MPO/MPO MC	D-01-FF-0001		
SIZE	A4	DWG.# HS-A-2302-0126-05		FAMILY PART #	AFL HYPERSCALE. Davy Avenue, Knowlhill, Milton Keynes, MK5 8HJ		
<div style="border: 2px solid red; padding: 5px; display: inline-block;"> APPROVED AFL HYPERSCALE EC COMMITTEE </div>				<small>UNLESS OTHERWISE STATED LINEAR DIMENSIONS: MM (IN)</small> TOLERANCES ±25mm OVERALL LENGTHS <1m -0/+50mm 1m - 5m: -0/+150mm 5m - 20m: -0/+200mm >20m -0/+1%			
				<small>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AFL HYPERSCALE Ltd. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AFL HYPERSCALE Ltd. IS PROHIBITED.</small>		SHEET 4 of 5 REV 4	

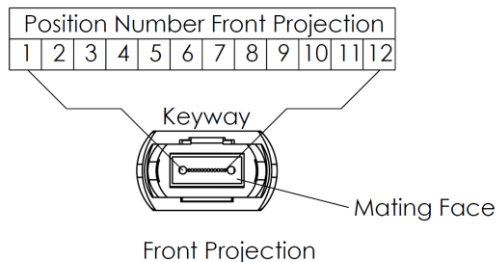
MPO to MPO

Method: C

End A

MPO Polarity as viewed from ferrule end face with Keyway at the top -Left to Right	
Position	Fibre Colour
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	White
7	Red
8	Black
9	Yellow
10	Purple
11	Pink
12	Aqua

MPO Polarity as viewed from ferrule end face with Keyway at the top -Left to Right	
Position	Fibre Colour
1	Orange
2	Blue
3	Brown
4	Green
5	White
6	Grey
7	Black
8	Red
9	Purple
10	Yellow
11	Aqua
12	Pink



5	title, polarity options, and connectors updated	21/12/22	LB
4	Polarity A Added	22/06/22	LB
3	Title, Cable Option, Connectors & Polarity Updated	06/06/22	LB
2	Add a new cable option of LSZH jacket	25/05/22	Tao.Ling
1	First Issue	30/04/21	AG
REV.	DESCRIPTION	DATE	INITIAL
Revisions			

DRAWN		NAME	DATE	TITLE	PROD. REF.	TEST REF.
DRAWING NOT TO SCALE		L.Burrell	21/12/2022	12f 3mm/3mm MPO/MPO MC	D-01-FF-0001	
SIZE	A4	DWG.# HS-A-2302-0126-05		FAMILY PART #	AFL HYPERSCALE. Davy Avenue, Knowlhill, Milton Keynes, MK5 8HJ	
<div style="border: 2px solid red; padding: 5px; display: inline-block;"> APPROVED AFL HYPERSCALE EC COMMITTEE </div>				<small>UNLESS OTHERWISE STATED LINEAR DIMENSIONS: MM (IN)</small> TOLERANCES ±25mm OVERALL LENGTHS <1m -0/+50mm 1m - 5m: -0/+150mm 5m - 20m: -0/+200mm >20m -0/+1%		
				PROPIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AFL HYPERSCALE Ltd. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AFL HYPERSCALE Ltd. IS PROHIBITED.		SHEET 5 of 5
						REV 4