



MPO/MTP-SC/LC Patch cord

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Description

MPO/MTP to LC Fan Out Cable interface multifibre MPO/MTP with discrete single fiber (LC/SC mainly) connectors. Assemblies are typically used to directly interconnect MTP/MPO cassettes, panels or backbone trunk assemblies with the active equipment ports, saving costly data centre rack space and easing fibre management. Replacing traditional MTP/MPO module Fan-Out Assemblies reduce amount of interconnection improving power budget cost.

Feature

- 8-12 core fiber available
- Cross Connection : AB/BA
- Paralled Connection : AB/AB
- Small volume, easy management
- Insertion Loss : Low IL & Standard IL available
- Can customize connection method as QSFP requirements



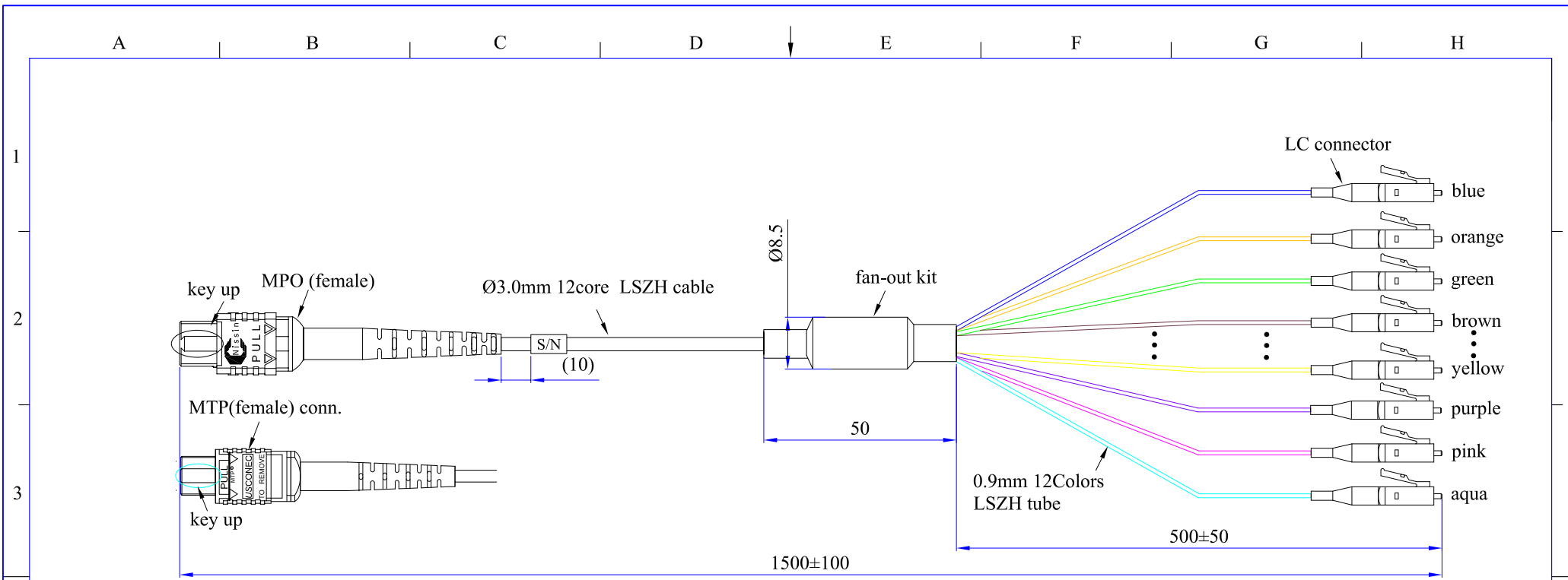
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Application

- Data Center Networks
- 10G/ 40G/ 100G Networks
- Parallel interconnection
- Miniature modules
- Active Optical Cable

Specification:

Items	SC/LC			MTP/MPO(Std)		MTP/MPO(Elite)		
	SM	MM		SM	MM	SM	MM	
Insertion Loss	UPC	APC	PC	12F,24F	12F,24F	12F	24F	12F,24F
	≤0.3dB			≤0.7dB		≤0.35dB	≤0.5dB	≤0.35dB
	Return Loss	≥50dB	≥60dB	≥30dB	≥55dB	≥20dB	≥55dB	≥20dB
Durability	500times							
Operation temperature	-20°C ~ +70°C							
Fiber Type	OS2/OM1/OM2/OM3/OM4							



Note: number 1~12 just represent the channel of ferrule.

MPO fiber	fiber color	LC channel
1	blue	1
2	orange	2
3	green	3
4	brown	4
5	grey	5
6	white	6
7	red	7
8	black	8
9	yellow	9
10	violet	10
11	pink	11
12	aqua	12

Technical requirement:

- Optical performances:
 - Low loss: MTP/MPO:IL≤0.35dB, LC:IL≤0.3dB.
 - Standard loss: MTP/MPO:IL≤0.7dB, LC:IL≤0.3dB.
- Fiber Polarity please see view A-A.
- The dimensions according to customer's requirements.
- No dust cap showing on the drawing.

Title		MPO/MTP female-12*LC fan-out kit with 0.9mm tube 12 colors Patch cord	
Drawing	Steven	Item No	
Check	Henry	Drawing No:	
Approval	Williams		
Date	2018	Page: 1-1	職和光电科技有限公司 XH Opto Tech Co.,Ltd