



MPO/MTP®主干跳线规格书



符合标准

- TIA/EIA 568.3-D
- IEC 61300-3-35
- RoHS and REACH

特点

- 低插损连接器
- 研磨方式:PC, APC
- 工厂预制, 100%检测
- 支持400G、800G数据速率
- G657A1, OM3, OM4, OM5 可选

技术参数

项目	参数
光纤芯数	8~144芯
光纤类型	单模: G657A1 多模: OM3/OM4/OM5
连接器类型	MPO 母头, 公头/MTP 母头, 公头
连接器插芯	塑料
研磨方式	SM: PC/APC MM: PC
阻燃等级	PVC/LSZH/OFNP
连接器颜色	SM: Green(标损); Yellow(低损) MM: Aqua:水绿色(OM3); Violet:紫罗兰(OM4); Lime Green:柠檬绿(OM5)
光缆颜色	SM: Yellow:黄色 MM: Aqua:水绿色(OM3); Violet:紫罗兰(OM4); Lime Green:柠檬绿(OM5)
光缆外径 ^①	3.0mm
拉力	40N
连接器耐久性	500次插拔
光缆类型	束状/带状
分支长度	0.3m/0.5m
极性	Type A, Type B, Type C

注: SM(单模), MM(多模).
 ①: 标准单根MPO/MTP跳线线径为3.0mm, 不同分支数的跳线, 主干光缆线径不同。

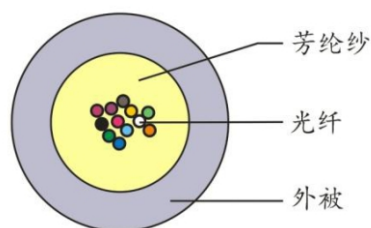
分支数量	MPO/MTP-12	MPO/MTP-24	主干光缆直径
2束	24芯	48芯	9±0.5mm
3束	36芯	72芯	9±0.5mm
4束	48芯	96芯	9±0.5mm
6束	72芯	144芯	11.2±0.5mm
8束	96芯		13.5±0.5mm
12束	144芯		17.5±0.5mm

注: 当光缆为24 芯, 连接器MPO/MTP-12 时, 2 束表示(2根12芯分支);
 当光缆为48 芯, 连接器MPO/MTP-24 时, 2 束表示(2根24芯分支);

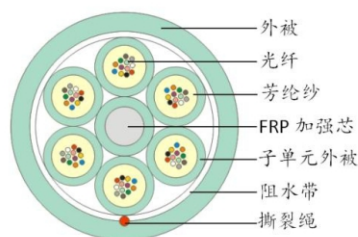
项目	参数
插损	标损: (SM:APC $\leq$ 0.7dB; MM:PC: $\leq$ 0.7dB) 低损: (SM:APC $\leq$ 0.35dB; MM:PC $\leq$ 0.35dB)
回损	标损: (SM:APC $\geq$ 55dB; SM:PC $\geq$ 40dB, MM:PC $\geq$ 20dB) 低损: (SM:APC $\geq$ 60dB; SM:PC $\geq$ 50dB, MM:PC $\geq$ 25dB)
波长	SM: 1310/1550nm MM: 850/1300nm
工作温度	-20~70℃
存储温度	-40~70℃

注: MPO连接器可选低损或标损, MTP连接器为低损

光缆技术参数



8~24芯
迷你多芯软光缆



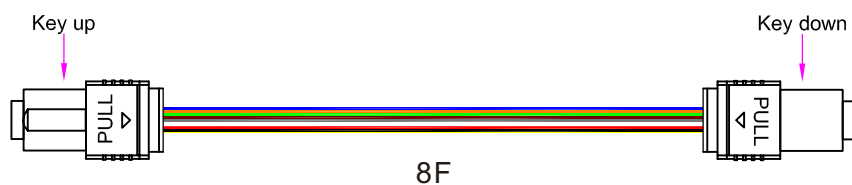
24~144芯
分单元迷你多芯缆

项目	迷你多芯软光缆	分单元迷你多芯缆
光纤最小弯曲半径	SM:10mm MM:7.5mm	SM:10mm MM:7.5mm
光缆最小弯曲半径	动态:20D 静态:10D	动态:20D 静态:10D
最大抗压强度	短距离:500N/100mm 长距离:100N/100mm	短距离:1000N/100mm 长距离:300N/100mm

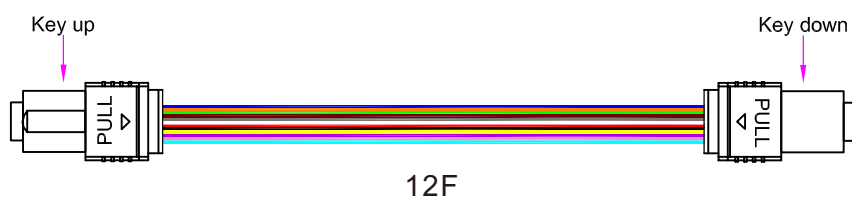
光缆	标称重量	最大拉伸强度	
		短期	长期
8~24芯(迷你软光缆)	7.5kg/km	160N	80N
24芯	76kg/km	500N	180N
36芯	78kg/km	500N	180N
48芯	79kg/km	600N	200N
72芯	126kg/km	1000N	300N
96芯	178kg/km	1000N	300N
144芯	285kg/km	1000N	300N

项目	参数
衰减(dB/km)	SM: ≤ 0.5 at 1310nm, ≤ 0.4 at 1550nm OM3/OM4/OM5: ≤ 3.5 at 850nm, ≤ 1.5 at 1300nm
带宽(MHz*km)	OM2: ≥ 700 at 850nm, ≥ 500 at 1300nm OM3: ≥ 1500 at 850nm, ≥ 500 at 1300nm OM4: ≥ 3500 at 850nm, ≥ 500 at 1300nm OM5: ≥ 3500 at 850nm, ≥ 500 at 1300nm

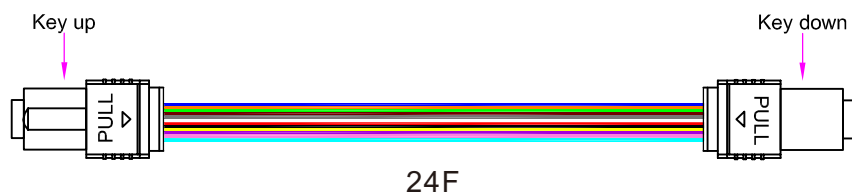
极性: Type A



A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	Not used	5
6	Not used	6
7	Not used	7
8	Not used	8
9	GREY	9
10	WHITE	10
11	RED	11
12	BLACK	12



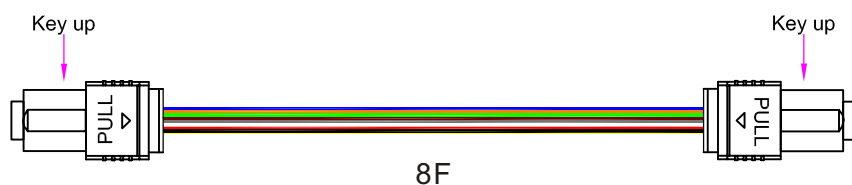
A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4
5	GREY	5
6	WHITE	6
7	RED	7
8	BLACK	8
9	YELLOW	9
10	PURPLE	10
11	PINK	11
12	AQUA	12



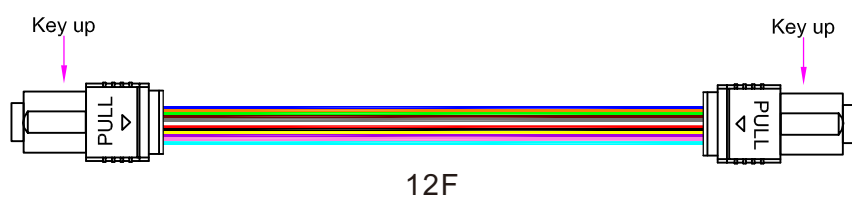
A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	13
2	ORANGE	14
3	GREEN	15
4	BROWN	16
5	GREY	17
6	WHITE	18
7	RED	19
8	BLACK	20
9	YELLOW	21
10	PURPLE	22
11	PINK	23
12	AQUA	24

A		B
Pin No.	Fiber colour	Pin No.
13	BLUE--	1
14	ORANGE--	2
15	GREEN--	3
16	BROWN--	4
17	GREY--	5
18	WHITE--	6
19	RED--	7
20	BLACK--	8
21	YELLOW--	9
22	PURPLE--	10
23	PINK--	11
24	AQUA--	12

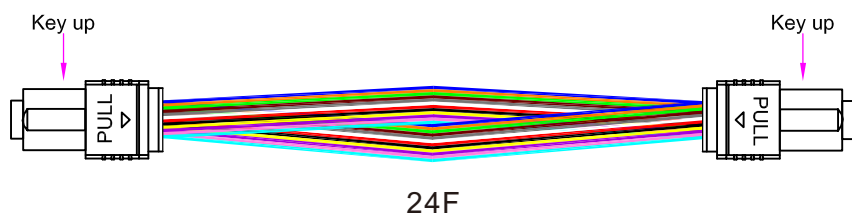
极性: Type B



A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	12
2	ORANGE	11
3	GREEN	10
4	BROWN	9
5	Not used	8
6	Not used	7
7	Not used	6
8	Not used	5
9	GREY	4
10	WHITE	3
11	RED	2
12	BLACK	1



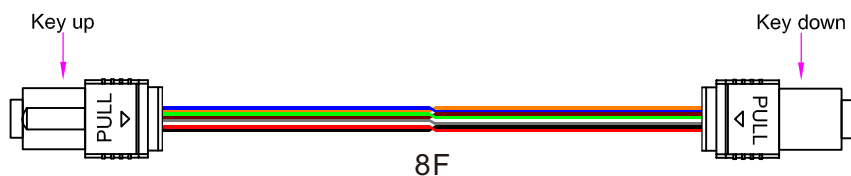
A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	12
2	ORANGE	11
3	GREEN	10
4	BROWN	9
5	GREY	8
6	WHITE	7
7	RED	6
8	BLACK	5
9	YELLOW	4
10	PURPLE	3
11	PINK	2
12	AQUA	1



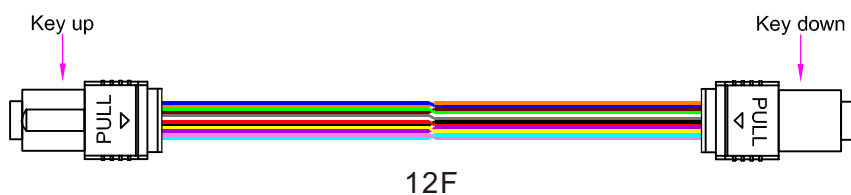
A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	24
2	ORANGE	23
3	GREEN	22
4	BROWN	21
5	GREY	20
6	WHITE	19
7	RED	18
8	BLACK	17
9	YELLOW	16
10	PURPLE	15
11	PINK	14
12	AQUA	13

A		B
Pin No.	Fiber colour	Pin No.
13	BLUE-	12
14	ORANGE-	11
15	GREEN-	10
16	BROWN-	9
17	GREY-	8
18	WHITE-	7
19	RED-	6
20	BLACK-	5
21	YELLOW-	4
22	PURPLE-	3
23	PINK-	2
24	AQUA-	1

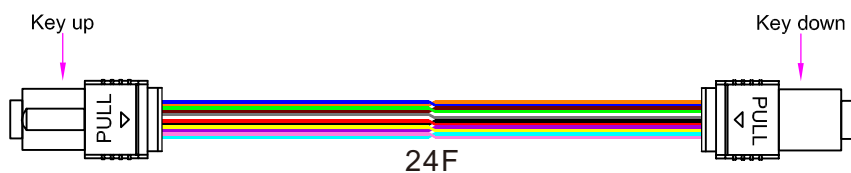
极性: Type C



A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	2
2	ORANGE	1
3	GREEN	4
4	BROWN	3
5	Not used	5
6	Not used	6
7	Not used	7
8	Not used	8
9	GREY	10
10	WHITE	9
11	RED	12
12	BLACK	11



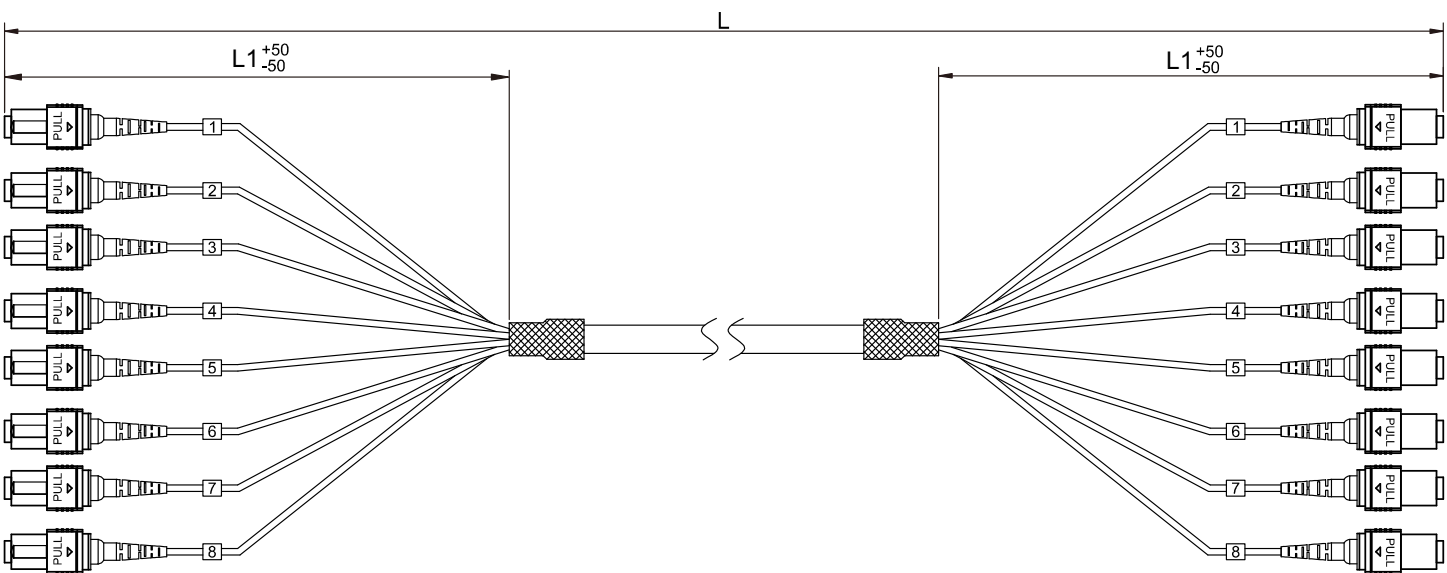
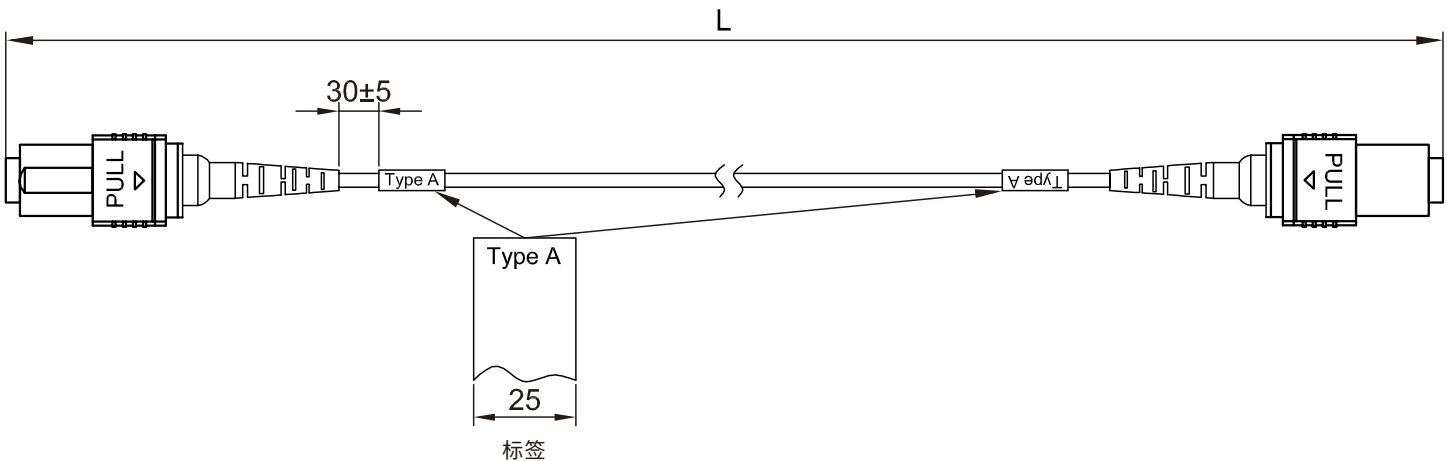
A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	2
2	ORANGE	1
3	GREEN	4
4	BROWN	3
5	GREY	6
6	WHITE	5
7	RED	8
8	BLACK	7
9	YELLOW	10
10	PURPLE	9
11	PINK	12
12	AQUA	11



A		B
Pin No.	Fiber colour	Pin No.
1	BLUE	14
2	ORANGE	13
3	GREEN	16
4	BROWN	15
5	GREY	18
6	WHITE	17
7	RED	20
8	BLACK	19
9	YELLOW	22
10	PURPLE	21
11	PINK	24
12	AQUA	23

A		B
Pin No.	Fiber colour	Pin No.
13	BLUE—	2
14	ORANGE—	1
15	GREEN—	4
16	BROWN—	3
17	GREY—	6
18	WHITE—	5
19	RED—	8
20	BLACK—	7
21	YELLOW—	10
22	PURPLE—	9
23	PINK—	12
24	AQUA—	11

技术图纸



跳线长度	公差
$L \leq 1m$	$+150mm/-0$
$1m < L < 10m$	$+150mm/-50$
$10m < L \leq 30m$	$+150mm/-50$
$L > 30m$	$+1\%/-0$

跳线公差

订货信息

MPO/F/PC - MPO/F/PC - OM3 - 12B - S - 1.5M - LSZH - Aqua - A								
1	2	3	4	5	6	7	8	9

1-连接器 A: MPO/F/PC:MPO 母头 PC; MTP/M/APC:MTP 公头 APC;

2-连接器 B: MPO/F/PC:MPO 母头 PC; MTP/M/APC:MTP 公头 APC;

3-光纤类型: OM3; OM4; OM5; G657A1;

4-芯数: 12B:12芯束状光缆;12R: 12芯带状光缆;

5-分支类型: S:无分支; B3.0: 3.0mm分支光缆;

6-跳线长度: 1.5M;

7-阻燃等级: LSZH; PVC; OFNP;

8-光缆颜色: Yellow:黄色; Aqua:水绿色(OM3)Violet:紫罗兰(OM4); Lime Green:柠檬绿(OM5)

9-极性: A: Type A; B: Type B; C: Type C



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