

## [Jumper Cable]

- Our precision optical cable manufacturing services can provide a wide range of standard and custom cables to meet a wide range of requirements
- Specialty cables, master reference and key adjust cables available
- All cables are tested, serialized, labeled in individual bags with complete test information

- Production facility meets the strictest quality control under ISO9001 and connector components meet or exceed industry standard performance levels  
U.S. Pat. No. 5,668,905

### Standard Jumper



#### ORDERING INFORMATION

SM, ø2.0mm, SC/PC-SC/PC, 6m length

Part Number **[a]** - **[b]** - **[c]** - **[d]** - **[e]**

Ex.) JJ - SSCP2 - 2 - W - 6

a	Jumper Type	Jumper	<b>JJ</b>
		Pigtail	<b>JP</b>
		Master jumper	<b>MJ</b>
		Master pigtail	<b>MP</b>
b	Connector Type	See Table 1	
c	Fiber Diameter	φ0.9mm buffer	<b>1</b>
		φ2.0mm cable	<b>2</b>
		φ3.0mm cable	<b>3</b>
d	Fiber Type	Single-Mode	<b>W</b>
		Multi-Mode(50/125μm)	<b>M1</b>
		Multi-Mode(62.5/125μm)	<b>M2</b>
e	Length	5m	<b>5</b>
		10m	<b>10</b>

### Hybrid Jumper



#### ORDERING INFORMATION

SM, ø2.0mm, SC/PC-LC/AP, 6m length

Part Number **[a]** - **[b]** / **[c]** - **[d]** - **[e]** - **[f]**

Ex.) JJ - SSCP2 / SLCPN2 - 2 - W - 6

a	Jumper Type	Jumper	<b>JJ</b>
		Master jumper	<b>MJ</b>
b/c	Connector Type	See Table 1	
d	Fiber Diameter	φ0.9mm buffer	<b>1</b>
		φ2.0mm cable	<b>2</b>
		φ3.0mm cable	<b>3</b>
e	Fiber Type	Single-Mode	<b>W</b>
		Multi-Mode(50/125μm)	<b>M1</b>
		Multi-Mode(62.5/125μm)	<b>M2</b>
f	Length	5m	<b>5</b>
		10m	<b>10</b>

Table 1. Connector Type

	Type	φ1	φ2	φ3
PC RL ≥ 50dB	FC	SAP4 SGP4	SAP3 SGP3	SAP3 SGP3
	SC	SSCP1	SSCP2	SSCP3
	MU	SMUC1	SMUC2	—
	LC	SLCC1	SLCC2	—
Angle PC RL ≥ 60dB	FC Narrow key (R)	SGPN4 (SNP5K)	SGPN3 (SNP3K)	SGPN3 (SNP3K)
	FC Wide key (N)	SNP5D	SNP3D	SNP3D
	SC(step)	SSCPG1	SSCPG2	SSCPG3
	SC(conical)	SSCPN1	SSCPN2	SSCPN3
	MU	SMUCN1	SMUCN2	—
	LC	SLCCN1	SLCCN2	—

#### Option

- Available custom designed jumper cable
- AR coating, and fiber metalization are available
- FC/Angle PC connector ferrule combination
  - Narrow key (R) ... Step ferrule
  - Wide key (N) ... Conical ferrule

## PM Jumper

## PM Hybrid Jumper



### PM Jumper

ORDERING INFORMATION  
SC/PC-SC/PC, Key=Y, 1310nm  
ø2.0mm, 6m length

Part Number [a] - [b] - [c] - [d] - [e]

Ex.)  $\begin{matrix} \text{PJ} & - & \text{PC12B} & - & \text{Y} & - & 13 & - & 6 \end{matrix}$

a	Number of Connector	PM jumper	<b>PJ</b>
		PM pigtail	<b>PP</b>
b	Connector Type	See Table 2	
c	Axis (See Table 3)	Free (FC Only)	<b>F</b>
		Fast	<b>X</b>
		Slow	<b>Y</b>
		Other	<b>O</b>
d	Wavelength	1310nm	<b>13</b>
		1550nm	<b>15</b>
e	Length	10m	<b>10</b>

### PM Hybrid Jumper

ORDERING INFORMATION  
SC/PC-FC/APC, Key=X, 1550nm,  
ø2.0mm, 8m length

Part Number [a] - [b] - [c] / [d] - [e] - [f] - [g]

Ex.)  $\begin{matrix} \text{PJ} & - & \text{PC12B} & - & \text{X} & / & \text{PF12C} & - & \text{X} & - & 15 & - & 8 \end{matrix}$

a	Number of Connector	PM jumper	<b>PJ</b>
b	Connector Type	See Table 2	
c	Axis (See Table 3)	Free (FC Only)	<b>F</b>
		Fast	<b>X</b>
		Slow	<b>Y</b>
		Other	<b>O</b>
d	Connector Type	See Table 2	
e	Axis (See Table 3)	Free (FC Only)	<b>F</b>
		Fast	<b>X</b>
		Slow	<b>Y</b>
		Other	<b>O</b>
f	Wavelength	1310nm	<b>13</b>
		1550nm	<b>15</b>
g	Length	10m	<b>10</b>

• Available ER ≥ 30dB Jumper

Table 2. Connector Type

	Type	φ1	φ2
PC RL ≥ 50dB	FC	PF11	PF12B
	SC	PC11	PC12B
	MU	PU11	PU12
	LC	PL11	PL12
Angle PC RL ≥ 60dB	FC Narrow key (R)	PF11A	PF12C
	FC Wide key (N)	PF11AN	PF12CN
	SC	PC11A	PC12C

Table 3. Polarization Axis

Polarization	F (Free)	X (Fast)	Y (Slow)	O (Other)
Direction of the stress producing members against the key				
	The stress producing members are free to the key. (the key is not fixed)	The stress producing members are horizontal to the key : 0°±3°	The stress producing members are perpendicular to the key : 0°±3°	The stress producing members are at the designated angle to the key