

JIAWEI 嘉威

Fiber Optic Splitter

1×N PLC

Type		1×2	1x3	1×4	1x6	1×8	1x12	1×16	1x24	1×32	1x48	1×64	1×128
Working wavelength(nm)		1260-1650											
Fiber type		G657A or Customized											
Insertion loss (dB) (P/)	Max	3.8 (P grade)	6.1 (P grade)	7.1 (P grade)	9.0 (P grade)	10.2 (P grade)	12.5 (P grade)	13.5 (P grade)	15.5 (P grade)	16.5 (P grade)	18.4 (P grade)	20.2 (P grade)	23.8 (P grade)
Uniformity (dB)	Max	0.4	0.4	0.6	1.6	0.8	1.2	1.2	1.5	1.5	2.0	2.0	2.5
Polarization dependent loss (dB)	Max	0.2	0.2	0.2	1.2	0.2	0.25	0.25	0.3	0.3	0.4	0.4	0.4
Return loss (dB)	Minimum	55	55	55	55	55	55	55	55	55	55	55	55
Directionality (dB)	Minimum	55	55	55	55	55	55	55	55	55	55	55	55
Wavelength dependent loss (dB)	Max	0.5	0.5	0.5	1.5	0.5	0.8	0.8	0.8	0.8	1.0	1.0	1.2
Temperature stability (-40~85 °C)(dB)	Max	0.5	0.5	0.5	1.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating temperature (°C)		-40~85											
storage temperature (°C)		-40~85											
Bare device size (mm) (L×W×H)		40×4×4	40×4×4	40×4×4	40×4×4	40×4×4	60×7×4	60×7×4	60×7×4	60×7×4	60×12×6	60×12×6	N/A
Mini module size (mm) (L×W×H)		60×7×4	60×7×4	60×7×4	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	80×20×6	100×40×6	100×40×6	N/A
Box module size (mm) (L×W×H)		100×80×10	100×80×10	100×80×10	100×80×10	100×80×10	120×80×18	120×80×18	120×80×18	120×80×18	140×115×18	140×115×18	140×115×18

Noted:

- 1 · The above parameters do not include fiber connector loss.
2. Each connector in the optical path will increase the loss of 0.2dB.

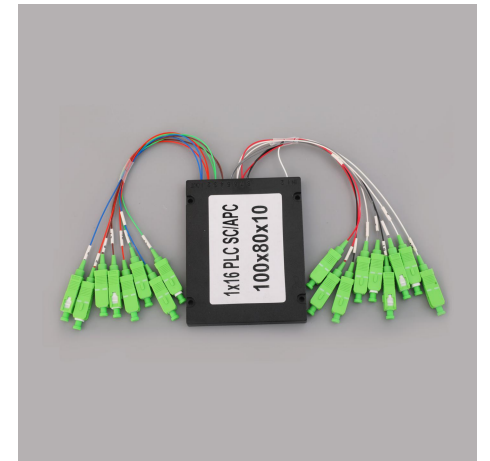
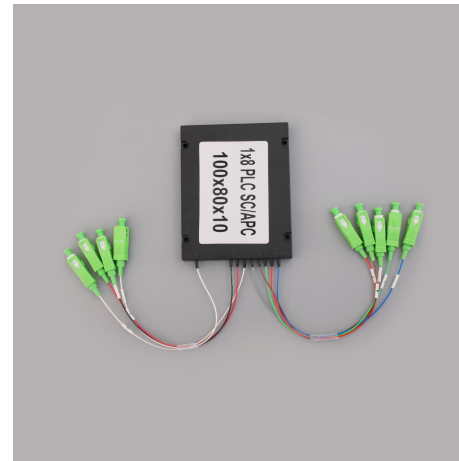
2×N PLC

Type		2×2	2×4	2×8	2×16	2×32	2×64	2×128
Working wavelength(nm)		1260~1650						
Fiber type		G657A or Customized						
Insertion loss (dB) (P/)	Max	4.2	7.6	10.5	13.8	17	20.8	24.5
Uniformity (dB)	Max	0.9	1.1	1.2	1.5	1.8	2.2	2.5
Polarization dependent loss (dB)	Max	0.2	0.2	0.3	0.3	0.4	0.4	0.40
Return loss (dB)	Minimum	55	55	55	55	55	55	55
Directionality (dB)	Minimum	55	55	55	55	55	55	55
Wavelength dependent loss (dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0	1.2
Temperature stability (-40~85 °C)(dB)	Max	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating temperature (°C)		-40~85						
storage temperature (°C)		-40~85						
Bare device size (mm) (L×W×H)		50×4×4	50×4×4	50×4×4	60×7×4	60×7×4	N/A	N/A
Mini module size (mm) (L×W×H)		60×7×4	60×7×4	60×7×4	80×12×4	80×20×6	N/A	N/A
Box module size (mm) (L×W×H)		100×80×10	100×80×10	100×80×10	120×80×18	120×80×18	140×115×18	140×115×18

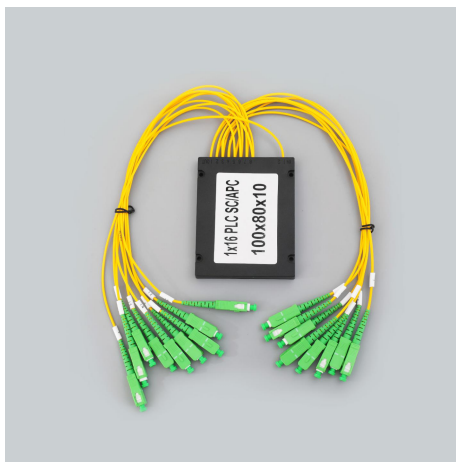
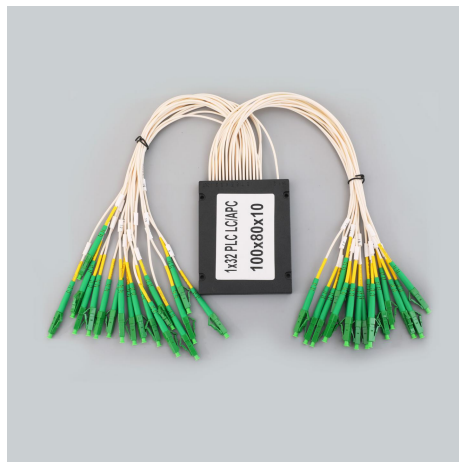
Noted:

- 1 · The above parameters do not include fiber connector loss.
2. Each connector in the optical path will increase the loss of 0.2dB.

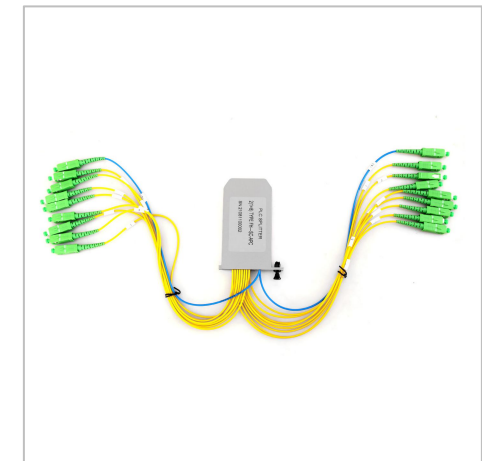
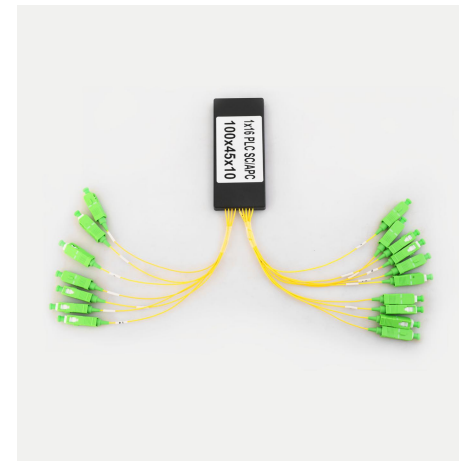
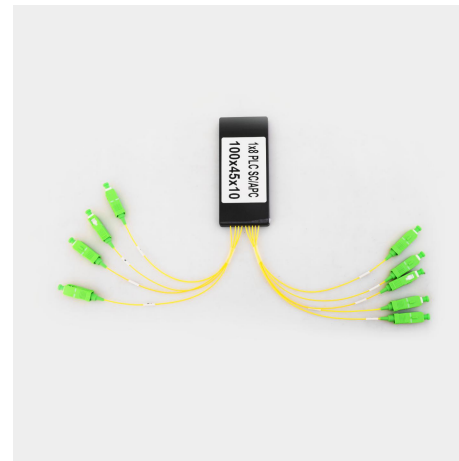
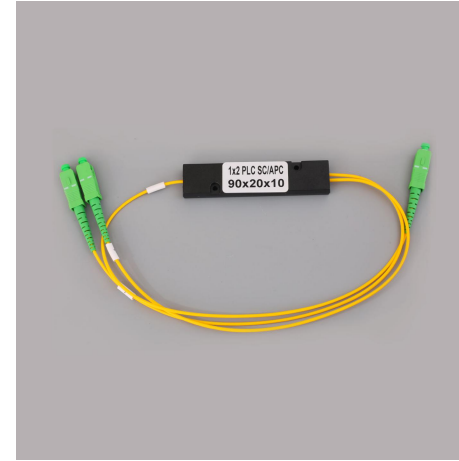
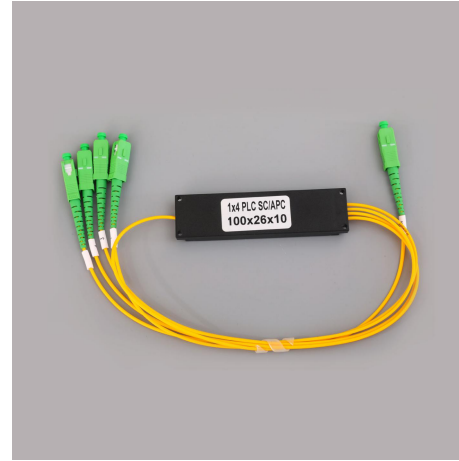
Box splitter



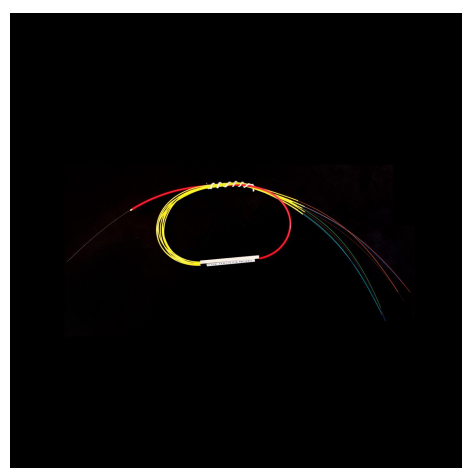
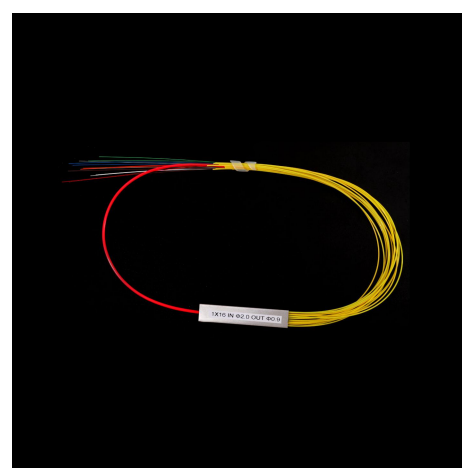
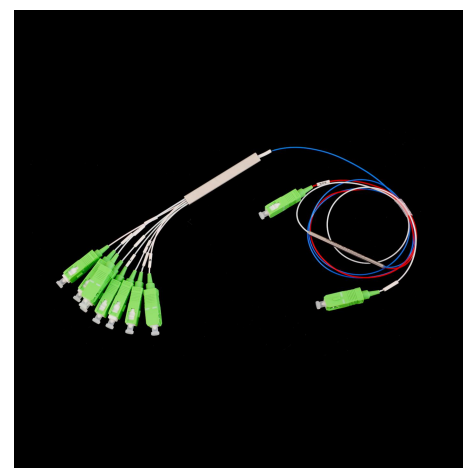
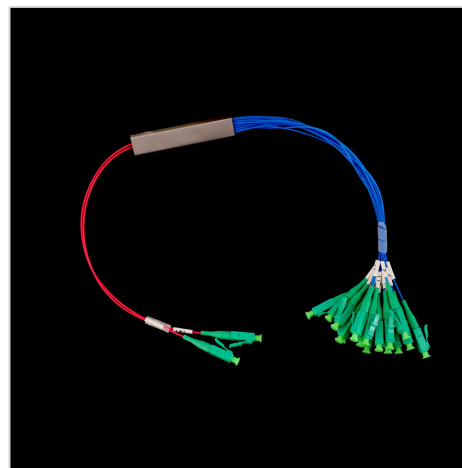
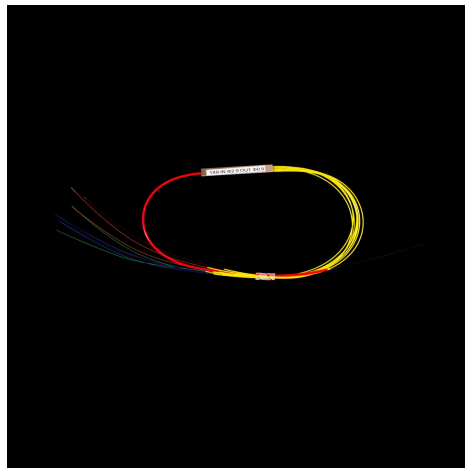
Box splitter



MiNi type



Splitter



Cassette Type



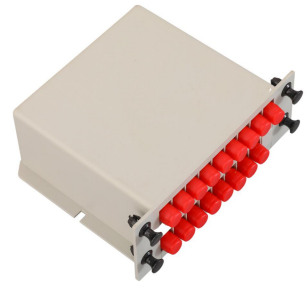
Cassette Type



Cassette Type



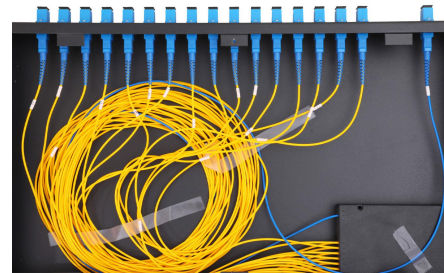
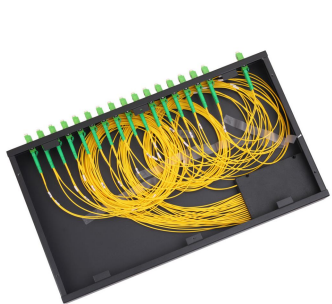
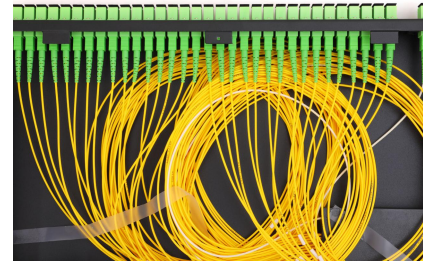
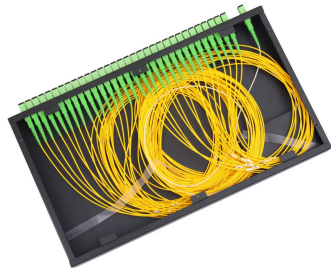
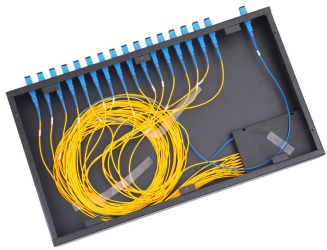
Cassette Type



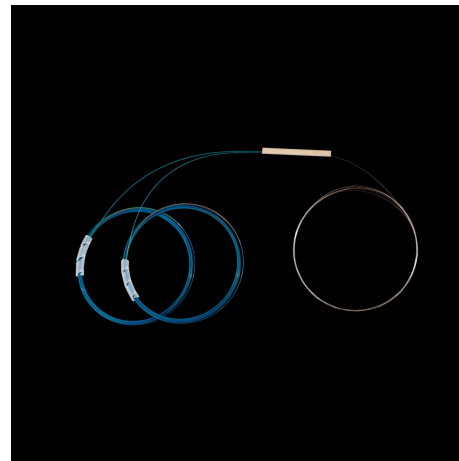
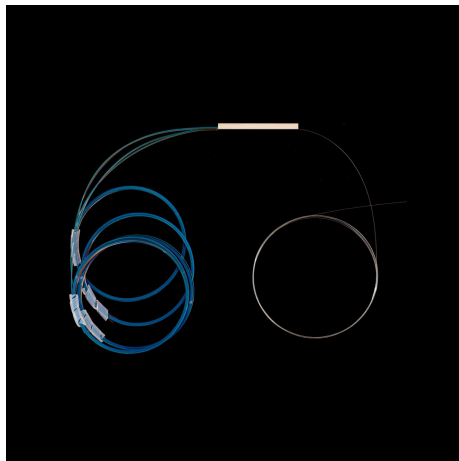
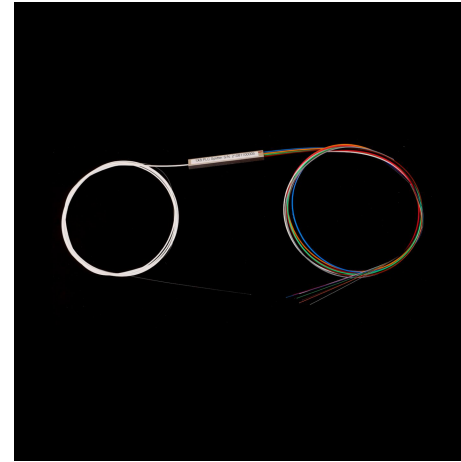
Rack splitter



Rack splitter



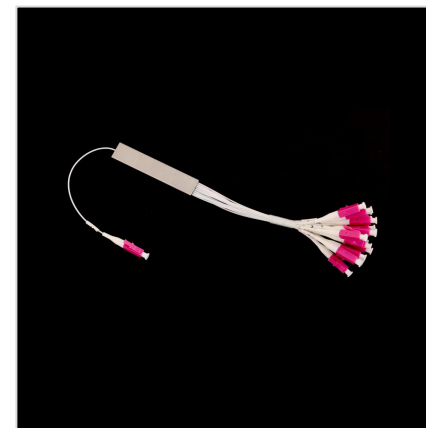
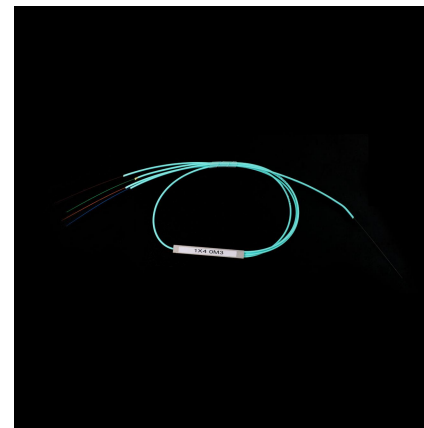
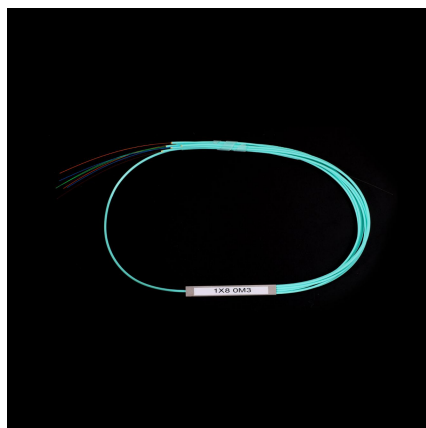
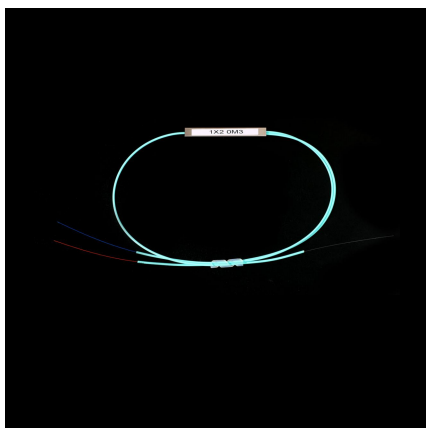
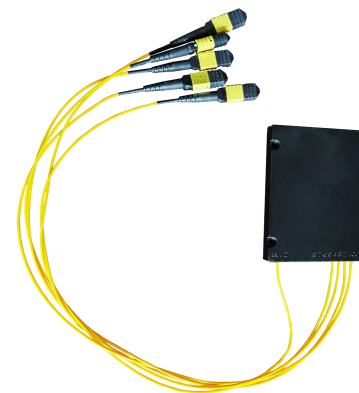
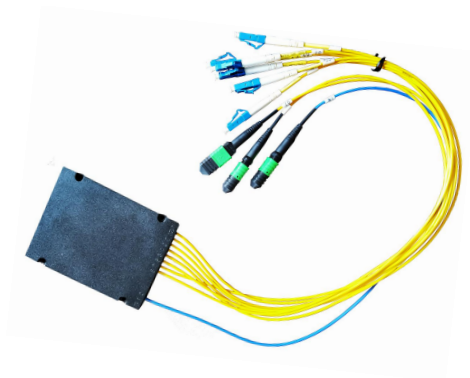
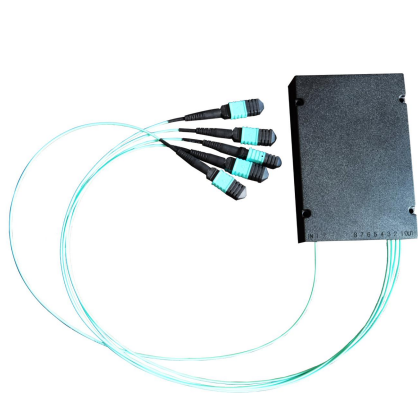
Bare fiber PLC



对称型光分路器 (Asymmetrical Optical Splitter)

对称型Symmetric Type		1×2	1×3	1×4	1×6	1×8	1×16
工作波长 (nm) Operating Wavelength		650-1350, or On Request					
插入损耗Insertion Loss	典型值 (dB) Typical Loss	3.4	5.5	6.7	9.0	10.2	13.5
	最大值 (dB) Max Loss	3.7	5.8	7.0	9.4	10.5	14.0
均匀性 (dB) Uniformity		≤0.6	≤0.8	≤1.0	≤1.2	≤1.5	≤1.8
偏振相关损耗 (dB) PDL		≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.15
回波损耗 (dB) Return Loss		≥40 or On Request					
方向性 (dB) Directional		≥50					
光纤类型&松套管Fiber Type & Loose Tube		50/125 or 62.5/125 μm Multi-Mode Fiber; φ900μm Loose Tube					
连接器类型Connector		On Request					
尾纤长度 (m) Fiber Length		≤1.5 or On Request					
芯片尺寸Chip SizeH (mm) ×W (mm) ×L (mm)		2.2×1.8×10.4	2.2×1.8×11.4	2.2×1.8×12.9	2.2×1.8×20.4	2.2×1.8×16.4	2.2×2.2×21.4
芯片通道间距 (μm) Chip Channel Spacing		250	250	250	127	127	127
裸纤微封钢管尺寸Minimum Package Size with bare fiberH (mm) ×W (mm) ×L (mm)		4×4×40	4×4×40	4×4×40	4×7×55	4×7×50	4×12×60
套管微封钢管尺寸Minimum Package Size with loose tubeH (mm) ×W (mm) ×L (mm)		4×7×50	4×7×50	4×7×50	4×7×60	4×7×55	4×12×60

对称型光分路器 (Asymmetrical Optical Splitter)





THANK YOU