

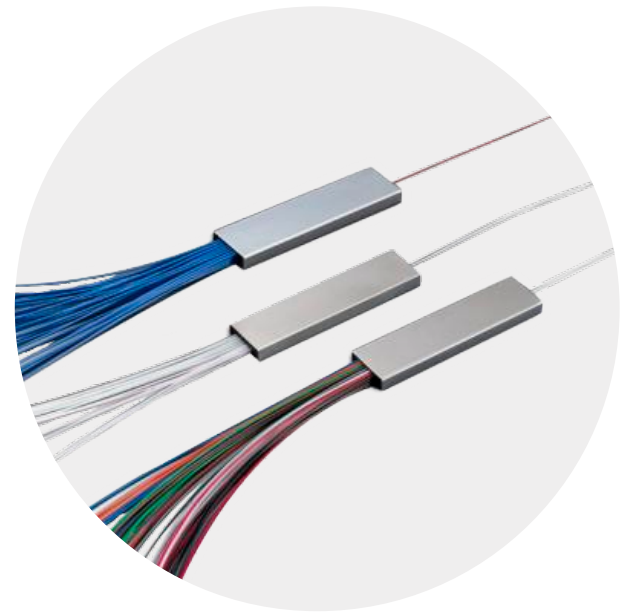
SPLITTER

- **PLC Splitter**
- **Bare Fiber Splitter**
- **Micro-splitter**
- **Cassette Splitter**
- **Rack Panel Splitter**
- **Tray Splitter**
- **Rack-mounted Splitter**

PLC SPLITTER

1. Characteristics

- 1 Low insertion loss, low PDL, high return loss.
- 2 Excellent uniformity over a wide wavelength range from 1260nm to 1650 nm.
- 3 Working in temperature from -40°C to +85°C.



2. Standards comply

Comply with Telcordia GR-1209, GR-1221, YD/T2000.1-2009, EIA / TIA 598 B standard.

Technical Parameters and Specification of 1 × N Splitter

Parameter	Unit		1x2	1x4	1x8	1x16	1x32	1x64
Insertion loss	Typ.	dB	3.5	6.8	10.0	13.2	16.5	3.5
	Max	dB	3.7	7.0	10.4	13.5	17.0	3.7
Channel uniformity PDL	Max	dB	0.6	0.6	1.0	1.1	1.5	0.6
Return loss	Typ.	dB.	0.1	0.1	0.1	0.2	0.2	0.1
	Max	dB	0.2	0.2	0.2	0.3	0.3	0.2
Directivity	Min	dB	55 (Premium grade) /50 (Standard grade)					
	Min	dB	55					
Operating wavelength	nm		1260~1650					
Operating/ Storage temperature	°C		-40~+85					
Fiber type	-		G657A or Customized					

Technical Parameters and Specification of 2 × N Splitter

Parameter	Unit		2x2	2x4	2x8	2x16	2x32	2x64
	Insertion loss	Typ.	dB	4.0	7.2	10.6	13.8	17.0
Max		dB	4.2	7.5	11.0	14.3	17.5	21.5
Channel uniformity	Max	dB	1.2	1.5	1.6	1.8	2.3	2.5
PDL	Typ.	dB	0.2	0.2	0.2	0.2	0.2	0.2
	Max	dB	0.3	0.3	0.3	0.4	0.4	0.4
Return loss	Min	dB	55 (High grade) /50 (Standard grade)					
Directivity	Min	dB	55					
Operating wavelength	nm		1260~1650					
Operating/ Storage temperature	°C		-40~+85					
Fiber type	-		G657A or Customized					

Unbalanced optical splitter

Models	1/99	2/98	5/95	10/90	15/85	20/80	25/75	30/70	35/65	40/60	45/55
Optical band pass	1260~1360 e 1480~1650nm										
Max. Insertion loss (dB)	21,6 x 0,30	18,7 x 0,4	14,6 x 0,5	11,0 x 0,7	9,6 x 1,0	7,9 x 1,4	6,95 x 1,7	6,0 x 1,9	5,35 x 2,3	4,7 x 2,7	4,15 x 3,15
Maximum polarization dependent loss	0,2 dB										
Directivity	>55 dB										
Return loss	>55 dB										

3. Fibre Identification

The color code of fibres will be identification in accordance with the following color sequence, meet the EIA / TIA 598 A standard.

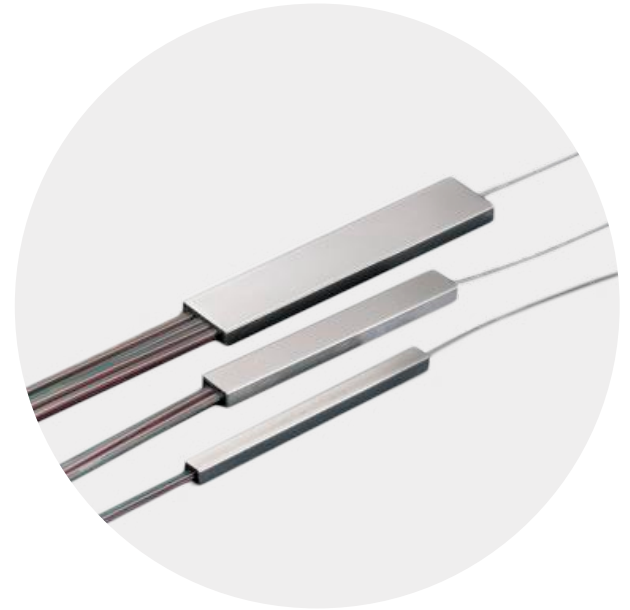
Position number	Base color and tracer	Abbreviation
1	Blue	BL
2	Orange	OR
3	Green	GR
4	Brown	BR
5	Slate	SL
6	White	WH
7	Red	RD
8	Black	BK
9	Yellow	YL
10	Violet	VI
11	Rose	RS
12	Aqua	AQ
13	Blue with Black Tracer	D/BL1)
14	Orange with Black Tracer	D/OR
15	Green with Black Tracer	D/GR
16	Brown with Black Tracer	D/BR
17	Slate with Black Tracer	S/SL
18	White with Black Tracer	S/WH
19	Red with Black Tracer	D/RD
20	Black with Black Tracer	D/BR
21	Yellow with Black Tracer	D/YL
22	Violet with Black Tracer	D/VI
23	Rose with Black Tracer	D/RS
24	Aqua with Black Tracer	D/AQ

1) "D/" denotes a dashed mark or tracer per 3.6. That is, D/BL is Dash-Blue, meaning Blue with a tracer.

BARE FIBER SPLITTER

1. Introduction

It's a kind of ODN product suitable for PON networks that can be installed in the pigtail cassette, test instrument and WDM system, it minimizes the space occupation. Bare fiber splitter is relatively fragile on fiber protection and need a complete protection design on carrying box body and device. The input and output fiber diameter is 250 μ m. According to customer requirements, it can be a ribbon fiber output or a dispersion fiber output.



2. Dimensions

Split Ratio	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32	2x64
L (mm)	40/45 \pm 0.2			50 \pm 0.2	60 \pm 0.3	40 \pm 0	2.50 \pm 0.2		60 \pm 0.3	60 \pm 0.3		
W (mm)	4 \pm 0.2			4 \pm 0.2	12 \pm 0.2	4 \pm 0.2	4 \pm 0.2	4 \pm 0.2	7 \pm 0.2	12 \pm 0.2		
H (mm)	4 \pm 0.2			4 \pm 0.2	4 \pm 0.2	4 \pm 0.2	4 \pm 0.2	4 \pm 0.2	4 \pm 0.2	4 \pm 0.2	4 \pm 0.2	4 \pm 0.2

MICRO-SPLITTER

1. Introduction

Micro-splitter is stronger of fiber circuit protection than bare fiber splitter, which is a miniaturization result of cassette splitter. It's mainly used for various of connection and distribution box body or network cabinets and it's a intermediate choice of volume miniaturization and reliable fiber protection. SC/LC/FC connectors are available, other connectors can be customized.



2. Dimensions

Split Ratio	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32	2x64
L (mm)	55/60			60	80	80	60			80	80	100
W (mm)	7			12	20	40	7			12	20	40
H (mm)	4			4	6	6	4			4	6	6

CASSETTE SPLITTER

1. Introduction

Cassette splitter is the most commonly used in the PON networks, and it has the complete protection for inner optical components and cable, as well as the convenient installation and easy to use, but its volume is relatively large. It's mainly used for various of connection and distribution products or network cabinets. SC/LC/FC connectors are available, other connectors can be customized



2. Dimensions

Split Ratio	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32	2x64
L (mm)	100			120	140		100			120		140
W (mm)	80			80	114		80			80		114
H (mm)	10			18	18		10			18		18

RACK PANEL SPLITTER

1. Introduction

Rack panel splitter is commonly used in the PON network and it has the complete protection for inner optical components and cable, as well as the convenient installation, easy to use and reliable, which is designed of modularize. It's mainly used in conjunction with rack panel splitter box and jump-free optical cross connection cabinet. SC/LC/FC connectors are available, other connectors can be customized.



2. Dimensions

Split Ratio	1x2	1x4	1x6	1x8	1x12	1x16	1x32	1x64
LxWxH (mm)	-	130x100x25			130x100x50		130x100x76	130x100x154

TRAY SPLITTER

1. Introduction

Tray splitter is with good optical circuit design and ensures the curvature radius of fiber as well as realization of channel capacity increase on optical circuit. It's installed in the 19" standard ODF and 19" standard cabinet. It's also able to finish the old product upgrading on space usage seamlessly. Tray splitter can be divided into pigtail type and adapter type. SC/LC/FC connectors are available, other connectors can be customized.



2. Dimensions

Split Ratio	1x2	1x4	1x6	1x8	1x12	1x16	1x32	1x64
LxW×H (mm)	1pc of 12 cores Integration Tray						2pcs of 12 cores Integration Tray	

RACK-MOUNTED SPLITTER

1. Introduction

Tray splitter is with good optical circuit design and ensures the curvature radius of fiber as well as realization of channel capacity increase on optical circuit. It's installed in the 19" standard ODF and 19" standard cabinet. It's also able to finish the old product upgrading on space usage seamlessly. Tray splitter can be divided into pigtail type and adapter type. SC/LC/FC connectors are available, other connectors can be customized.



2. Dimensions

Split Ratio	1x2	1x4	1x6	1x8	1x12	1x16	1x32	1x64
LxW×H (mm)	19"1U (2U/3U.....) Customized							