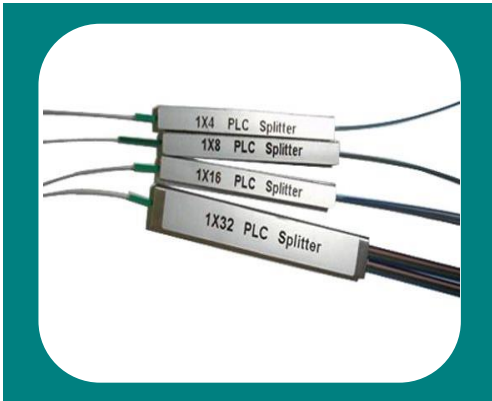


PLC SPLITTER PRODUCTS

Professional on providing complete, high-performance Fiber Optic Communication Components and Premise Distribution Solutions to the customers worldwide.



Bare fiber PLC Splitter



PLC Splitter Box



Block less PLC Splitter



PLC Splitter Module

PLC SPLITTER PRODUCTS

Bare Fiber PLC Splitter



Planar Lightwave Circuit (**PLC**) Splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting. Netrade provides whole series of 1xN splitter and **2xN splitter** products that are tailored for specific applications. All products meet GR-1209-CORE-2001 and GR-1221-CORE-1999 requirements.

Features:

- 1) Low Insertion loss
- 2) Low PDL
- 3) Compact Design
- 4) Good channel-to-channel uniformity
- 5) Wide Operating Wavelength: From 1260nm to 1650nm
- 6) Wide Operating Temperature: From -40°C to 85°C
- 7) High Reliability and Stability

Applications:

- 1) Can be used for FTTX Systems
- 2) Passive Optical Networks (PON)
- 3) CATV TV Networks (CATV)
- 4) Optical Signal Distribution

Compliance:

- 1) Telcordia GR-1209-CORE-2001
- 2) Telcordia GR-1221-CORE-1999
- 3) YD/T1117-2001

1XN PLC Splitter Specifications:

Port Configuration		1x2	1x4	1x8	1x16	1x32	1x64
Fiber Type		SMF28-e or customer specified					
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.7	6.8	10.0	13.0	16.0	19.5
	Max	4.0	7.2	10.5	13.5	16.9	21.0
Loss Uniformity(dB)	Max	0.4	0.6	0.8	1.2	1.5	2.5
Return Loss (dB)	Min	50	50	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.3	0.3	0.3	0.4
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.3	0.3	0.3	0.5	0.5	0.8
Temperature Stability (-40 ~ 85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0
Operating Temperature (°C)		-40 ~ 85					
Storage Temperature (°C)		-40 ~ 85					
Package Size (mm)		40x4x4	50x4x4	50x7x4		60x12x4	

Note: All the data above does not include connectors.

Add an additional 0.2dB loss per connector.

2XN PLC Splitter Specifications:

Port Configuration		2x2	2x4	2x8	2x16	2x32	2x64
Fiber Type		SMF28-e or customer specified					
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.8	7.4	10.8	14.2	17.0	21.0
	Max	4.2	7.8	11.2	14.6	17.5	21.5
Loss Uniformity(dB)	Max	1.0	1.4	1.5	2.0	2.5	2.5
Return Loss (dB)	Min	50	50	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.4	0.4	0.4	0.5
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.8	0.8	0.8	0.8	0.8	1.0
Temperature Stability (-40 ~ 85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0
Operating Temperature (°C)		-40 ~ 85					
Storage Temperature (°C)		-40 ~ 85					
Package Size (mm)		40x4x4	50x7x4	60x7x4		60x12x4	

Note: All the data above does not include connectors.

Add an additional 0.2dB loss per connector.

ORDERING INFORMATION:

NPS	XXX	X	XX	X	XX	X	X
	Port Configuration	Input Fiber Type	Input Fiber Length	Output Fiber Type	Output Fiber Type	Input Connector	Output Connector
N=Netrade	102=1x2	B= 250um Bare Fiber	10= 1.0m	B= 250um Bare Fiber	10= 1.0m	0=None	0=None
P=PLC	104=1x4	L= 900um Loose tube	15= 1.5m	R= Ribbon Fiber	15= 1.5m	1=FC/UPC	1=FC/UPC
S=Splitter	108=1x8,	T= 900um Tight buffer	20= 2.0m	F= Fan out Box with 900um loose tube	20= 2.0m	2=FC/APC	2=FC/APC
	116=1x16				3=SC/UPC	3=SC/UPC
	132=1x32					4=SC/APC	4=SC/APC
	164=1x64					5=LC/UPC	5=LC/UPC
	202=2x2					6=LC/APC	6=LC/APC
	204=2x4					X=customized	X=customized
	208=2x8,						
	216=2x16						
	232=2x32						

Block less PLC Splitter



Planar Lightwave Circuit (**PLC**) **Splitter** is a Type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting. Netrade provides whole series of 1xN splitter and **2xN splitter** products that are tailored for specific applications. All products meet GR-1209-CORE-2001 and GR-1221-CORE-1999 requirements.

Features:

- 1) Low Insertion loss
- 2) Low PDL
- 3) Compact Design
- 4) Good channel-to-channel uniformity
- 5) Wide Operating Wavelength: From 1260nm to 1650nm
- 6) Wide Operating Temperature: From -40°C to 85°C
- 7) High Reliability and Stability

Applications:

- 1) Can be used for FTTX Systems
- 2) Passive Optical Networks (PON)
- 3) CATV TV Networks (CATV)
- 4) Optical Signal Distribution

Compliance:

- 1) Telcordia GR-1209-CORE-2001
- 2) Telcordia GR-1221-CORE-1999
- 3) YD/T1117-2001

1XN PLC Splitter Specifications:

Port Configuration		1x2	1x4	1x8	1x16	1x32	1x64
Fiber Type		SMF28-e or customer specified					
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.7	6.8	10.0	13.0	16.0	19.5
	Max	4.0	7.2	10.5	13.5	16.9	21.0
Loss Uniformity(dB)	Max	0.4	0.6	0.8	1.2	1.5	2.5
Return Loss (dB)	Min	50	50	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.3	0.3	0.3	0.4
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.3	0.3	0.3	0.5	0.5	0.8
Temperature Stability (-40 ~ 85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0
Operating Temperature (°C)		-40 ~ 85					
Storage Temperature (°C)		-40 ~ 85					
Package Size (mm)		50x7x4			60x12x4	80x20x6	100x40x20

Note: All the data above does not include connectors. Add an additional 0.2dB loss per connector.

2XN PLC Splitter Specifications:

Port Configuration		2x2	2x4	2x8	2x16	2x32	2x64
Fiber Type		SMF28-e or customer specified					
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.8	7.4	10.8	14.2	17.0	21.0
	Max	4.2	7.8	11.2	14.6	17.5	21.5
Loss Uniformity(dB)	Max	1.0	1.4	1.5	2.0	2.5	2.5
Return Loss (dB)	Min	50	50	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.4	0.4	0.4	0.5
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.8	0.8	0.8	0.8	0.8	1.0
Temperature Stability (-40 ~ 85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0
Operating Temperature (°C)		-40 ~ 85					
Storage Temperature (°C)		-40 ~ 85					
Package Size (mm)		50x7x4		60x12x4		80x20x6	100x40x20

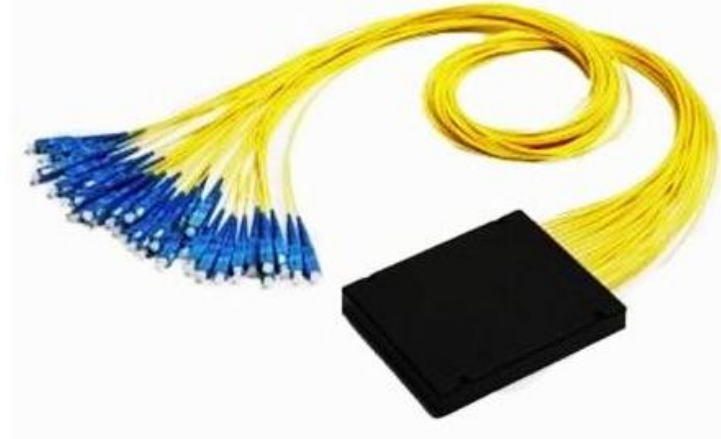
Note: All the data above does not include connectors. Add an additional 0.2dB loss per connector.

BLOCK LESS PLC SPLITTER PRODUCTS

ORDERING INFORMATION:

NPL	XXX	X	XX	X	XX	X	X
	Port Configuration	Input Fiber Type	Input Fiber Length	Output Fiber Type	Output Fiber Type	Input Connector	Output Connector
N=Netrade	102=1x2	B= 250um Bare Fiber	10= 1.0m	B= 250um Bare Fiber	10= 1.0m	0=None	0=None
P=PLC	104=1x4	L= 900um Loose tube	15= 1.5m		15= 1.5m	1=FC/UPC	1=FC/UPC
L=Blockless	108=1x8,	T= 900um Tight buffer	20= 2.0m		20= 2.0m	2=FC/APC	2=FC/APC
	116=1x16				3=SC/UPC	3=SC/UPC
	132=1x32					4=SC/APC	4=SC/APC
	164=1x64					5=LC/UPC	5=LC/UPC
	202=2x2					6=LC/APC	6=LC/APC
	204=2x4					X=customized	X=customized
	208=2x8,						
	216=2x16						
	232=2x32						

PLC Splitter Module



Planar Lightwave Circuit (**PLC**) **Splitter** is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting. Netrade provides whole series of 1xN splitter and **2xN splitter** products that are tailored for specific applications. All products meet GR-1209-CORE-2001 and GR-1221-CORE-1999 requirements.

Features:

- 1) Low Insertion loss
- 2) Low PDL
- 3) Compact Design
- 4) Good channel-to-channel uniformity
- 5) Wide Operating Wavelength: From 1260nm to 1650nm
- 6) Wide Operating Temperature: From -40°C to 85°C
- 7) High Reliability and Stability

Applications:

- 1) Can be used for FTTX Systems
- 2) Passive Optical Networks (PON)
- 3) CATV TV Networks (CATV)
- 4) Optical Signal Distribution

Compliance:

- 1) Telcordia GR-1209-CORE-2001
- 2) Telcordia GR-1221-CORE-1999
- 3) YD/T1117-2001

1XN PLC Splitter Specifications:

Port Configuration		1x2	1x4	1x8	1x16	1x32	1x64
Fiber Type		SMF28-e or customer specified					
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.7	6.8	10.0	13.0	16.0	19.5
	Max	4.0	7.2	10.5	13.5	16.9	21.0
Loss Uniformity(dB)	Max	0.4	0.6	0.8	1.2	1.5	2.5
Return Loss (dB)	Min	50	50	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.3	0.3	0.3	0.4
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.3	0.3	0.3	0.5	0.5	0.8
Temperature Stability (-40 ~ 85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0
Operating Temperature (°C)		-40 ~ 85					
Storage Temperature (°C)		-40 ~ 85					
Package Size (mm)		40x4x4	50x4x4	50x7x4		60x12x4	

Note: All the data above does not include connectors.
Add an additional 0.2dB loss per connector.

2XN PLC Splitter Specifications:

Port Configuration		2x2	2x4	2x8	2x16	2x32	2x64
Fiber Type		SMF28-e or customer specified					
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.8	7.4	10.8	14.2	17.0	21.0
	Max	4.2	7.8	11.2	14.6	17.5	21.5
Loss Uniformity(dB)	Max	1.0	1.4	1.5	2.0	2.5	2.5
Return Loss (dB)	Min	50	50	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.4	0.4	0.4	0.5
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.8	0.8	0.8	0.8	0.8	1.0
Temperature Stability (-40 ~ 85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0
Operating Temperature (°C)		-40 ~ 85					
Storage Temperature (°C)		-40 ~ 85					
Package Size (mm)		40x4x4	50x7x4		60x7x4	60x12x4	

Note: All the data above does not include connectors.
Add an additional 0.2dB loss per connector.

ORDERING INFORMATION:

NPS	XXX	X	XX	X	XX	X	X
	Port Configuration	Input Fiber Type	Input Fiber Length	Output Fiber Type	Output Fiber Type	Input Connector	Output Connector
N=Netrade	102=1x2	B= 250um Bare Fiber	10= 1.0m	B= 250um Bare Fiber	10= 1.0m	0=None	0=None
P=PLC	104=1x4	L= 900um Loose tube	15= 1.5m	R= Ribbon Fiber	15= 1.5m	1=FC/UPC	1=FC/UPC
S=Splitter	108=1x8,	T= 900um Tight buffer	20= 2.0m	F= Fan out Box with 900um loose tube	20= 2.0m	2=FC/APC	2=FC/APC
	116=1x16				3=SC/UPC	3=SC/UPC
	132=1x32					4=SC/APC	4=SC/APC
	164=1x64					5=LC/UPC	5=LC/UPC
	202=2x2					6=LC/APC	6=LC/APC
	204=2x4					X=customized	X=customized
	208=2x8,						
	216=2x16						
	232=2x32						

PLC Splitter Box



Planar Lightwave Circuit (**PLC**) **Splitter** is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting. Netrade provides whole series of **1xN PLC Splitter** and **2xN PLC Splitter** products that are tailored for specific applications. All products meet GR-1209-CORE-2001 and GR-1221-CORE-1999 requirements.

Features:

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- 2) Low PDL
- 3) Compact Design
- 4) Good channel-to-channel uniformity
- 5) Wide Operating Wavelength: From 1260nm to 1650nm
- 6) Wide Operating Temperature: From -40°C to 85°C
- 7) High Reliability and Stability

Applications:

- 1) Can be used for FTTX Systems
- 2) Passive Optical Networks (PON)
- 3) CATV TV Networks (CATV)
- 4) Optical Signal Distribution

Compliance:

- 1) Telcordia GR-1209-CORE-2001
- 2) Telcordia GR-1221-CORE-1999
- 3) YD/T1117-2001

1XN PLC Splitter Specifications:

Port Configuration.		1x2	1x4	1x8	1x16	1x32	1x64
Fiber Type		SMF28-e or customer specified					
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.7	6.8	10.0	13.0	16.0	19.5
	Max	4.0	7.2	10.5	13.5	16.9	21.0
Loss Uniformity(dB)	Max	0.4	0.6	0.8	1.2	1.5	2.5
Return Loss (dB)	Min	50	50	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.3	0.3	0.3	0.4
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.3	0.3	0.3	0.5	0.5	0.8
Temperature Stability (-40 ~ 85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0
Operating Temperature (°C)		-40 ~ 85					
Storage Temperature (°C)		-40 ~ 85					
Package Size (mm)		19" 1U 2U Rack-Mount Box, LGX Box, ODF Box					

Note: All the data above does not include connectors. Add an additional 0.2dB loss per connector.

2XN PLC Splitter Specifications:

Port Configuration		2x2	2x4	2x8	2x16	2x32	2x64
Fiber Type		SMF28-e or customer specified					
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.8	7.4	10.8	14.2	17.0	21.0
	Max	4.2	7.8	11.2	14.6	17.5	21.5
Loss Uniformity(dB)	Max	1.0	1.4	1.5	2.0	2.5	2.5
Return Loss (dB)	Min	50	50	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.4	0.4	0.4	0.5
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.8	0.8	0.8	0.8	0.8	1.0
Temperature Stability (-40 ~ 85 °C)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1.0
Operating Temperature (°C)		-40 ~ 85					
Storage Temperature (°C)		-40 ~ 85					
Package Size (mm)		19" 1U 2U Rack-Mount Box, LGX Box, ODF Box					

Note: All the data above does not include connectors. Add an additional 0.2dB loss per connector.

ORDERING INFORMATION:

NPB	XXX	XX	X	X
	Port Configuration	Box Type	Input Connector	Output Connector
N=Netrade	102=1x2	LX= LGX Box, metal	0= None	0= None
P=PLC Splitter	104=1x4	19= 19" 1U Rack mount Box	1= FC/UPC	1= FC/UPC
B=Box	108=1x8,	TP=ODF Box	2= FC/APC	2= FC/APC
	116=1x16	WM=Wall mount Box	3= SC/UPC	3= SC/UPC
	132=1x32	XX=customized	4= SC/APC	4= SC/APC
	164=1x64		5= LC/UPC	5= LC/UPC
	202=2x2		6= LC/APC	6= LC/APC
	204=2x4		X=customized	X=customized
	208=2x8,			
	216=2x16			
	232=2x32			
	264=2x64			