

## ABS Module type PLC splitter

### Features:

- Low insertion loss, Low PDL and High reliability
- High return loss and Good repeatability
- Wide wavelength range
- Excellent channel-to-channel uniformity



### Applications:

- LAN, WAN and Metro Networks
- FTTH project & FTTX Deployments
- CATV System
- GPON, EPON
- Fiber Optic Test Equipment
- Data-base Transmit Broadband Net

### Encapsulation Size

Item	1×2	1×4	1×8	1×16	1×32	1×64
Length*Width*Height (mm)	100×80×10	100×80×10	100×80×10	120×80×18	120×80×18	120×80×18
Item	2×2	2×4	2×8	2×16	2×32	2×64
Length*Width*Height (mm)	100×80×10	100×80×10	100×80×10	120×80×18	120×80×18	120×80×18

### Technical Specs for PLC Splitter with Connector

Item	1x2	1x4	1x8	1x16	1x32	1x64	1x128
Fiber Type	G.657.A						
Working Wavelength	1260nm~1650nm						
Standard Insertion Loss (dB)	≤4.2	≤7.6	≤10.7	≤14.0	≤17.2	≤20.8	≤24.0
P- Grade Insertion Loss (dB)	≤4.0	≤7.4	≤10.5	≤13.8	≤17.0	≤20.4	≤23.7
Uniformity (dB)	≤0.6	≤0.8	≤0.8	≤1.0	≤1.5	≤2.0	≤2.0
PDL (dB)	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3	≤0.4	≤0.5
Wavelength Dependent Loss (dB)	≤0.6	≤0.8	≤0.8	≤1.0	≤1.5	≤2.0	≤2.0
Return Loss (dB)	≥50						

Directivity (dB)	≥55
Operating Temp. Range	-40℃~ +85℃
Note: The above parameter is for Splitter with connector. If w/o connector, insertion loss will reduce by 0.2dB.	

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Working Wavelength	1260nm~1650nm						
Standard Insertion Loss (dB)	≤4.4	≤8.0	≤11.0	≤14.6	≤17.8	≤21.0	≤24.4
P- Grade Insertion Loss (dB)	≤4.2	≤7.7	≤10.8	≤14.1	≤17.4	≤20.7	≤24.0
Uniformity (dB)	≤0.8	≤1.0	≤1.2	≤1.5	≤1.8	≤2.0	≤3.0
PDL (dB)	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3	≤0.4	≤0.5
Wavelength Dependent Loss (dB)	≤0.8	≤1.0	≤1.2	≤1.5	≤1.8	≤2.0	≤3.0
Return Loss (dB)	≥50						
Directivity (dB)	≥55						
Operating Temp. Range	-40℃~ +85℃						
Note: The above parameter is for Splitter with connector. If w/o connector, insertion loss will reduce by 0.2dB.							

### Ordering Info

	Port	Fiber	Input Pigtail	Input Connector	Input Pigtail Length	Output Pigtail	Output Connector	Output Pigtail Length
PLC	102=1x2	1=G657A	1=250um	NE=None	0=0.5m	1=250um	NE=None	0=0.5m
	104=1x4	2=G652D	Bare Fiber	SU=SC/UPC	1=1m	Bare Fiber	SU=SC/UPC	1=1m
	108=1x8	SP=Special	2=900um	SA=SC/APC	2=1.5m	2=900um	SA=SC/APC	2=1.5m
	116=1x16		tight buffer	LU=LC/UPC	3=2m	tight buffer	LU=LC/UPC	3=2m
	132=1x32		3=900um	LA=LC/APC	4=3m	3=900um	LA=LC/APC	4=3m
	164=1x64		loose	FU=FC/UPC	SP=Special	loose	FU=FC/UPC	SP=Special
	128=1x128		tube	FA=FC/APC		tube	FA=FC/APC	
	204=2x4		4=Φ2.0mm	SP=Special		4=Φ2.0mm	SP=Special	
	208=2x8		cable			cable		
	216=2x16		5=Φ3.0mm			5=Φ3.0mm		
	232=2x32		cable			cable		
	264=2x64		SP=Special			SP=Special		

Tel: +86 519 86221538

Fax: +86 519 86226698

Web: [www.linketchina.com](http://www.linketchina.com)

Add.: No. 3 Longwo Road, Wujin High-Tech Development Zone, Changzhou, Jiangsu, China, 213161