



HUAWEI SPL2605

Compact Optical Splitter

**Building an
Efficient Fiber Infrastructure**



SPL2605

SPL2605 series of compact optical splitter is installed in the iODF3101 , iFDT3105D and FAT320X to implement the splitting function. The splitter has different splitting ratio which covers N:2 to N:64(N=1, 2).

Features & Benefits

Product series

- Connectors: SC/APC, SC/UPC, LC/APC,FC/UPC
- Splitting ratio: N:2 to N:64 (N=1, 2)
- Standard pigtail length 1.5m or custom-tailor

Dual color design

- The input pigtail can be easily distinguished from the output pigtail due to the color difference.

High quality

- Made of PC+ABS/PPO material in order to meet strong corrosion resistant performance and light quality.

Structure



1:32 SC/UPC



1:8 SC/APC

SPL Series Specifications

Optical split ratio	Dimensions (H x W x D; unit: mm)	Fiber type	Pigtail length (m)	Pigtail diameter (mm)
N:2 to N:16(N=1,2)	60×10×110	G.657A1	1.5	2
1:32 PLC	60×20×110			
1:64 PLC				
2:32 PLC				

🔧 Environmental Parameters

Item	Description
Operating Environment	Compliance with GR1209 / GR1221 controlled and non-controlled environments. Ambient Operating temperature range: -40-85 °C (Within unheated indoor and outdoor cabinet/enclosure application)

🔧 Performance Parameters

Optical split ratio	Operating bandwidth (nm)	Operating Wavelength (nm)	Insertion loss with connector(dB)	Return loss (dB)	Uniformity (dB)	PDL (dB)	Directivity (dB)
1:2 FBT	1310 ± 40 &1490 ± 10 &1550 ± 40	1310/1490/ 1550	≤3.8	≥50 (UPC)	≤0.6	≤0.15	≥55
1:4 PLC	1260 ~1650		≤7.4		≤0.7	≤0.2	
1:8 PLC			≤10.5		≤0.8	≤0.2	
1:16 PLC			≤13.8		≤1.0	≤0.3	
1:32 PLC			≤17.0		≤1.3	≤0.3	
1:64 PLC			≤20.5		≤1.8	≤0.3	
2:2 FBT			1310 ± 40 &1490 ± 10 &1550 ± 40	≤3.8	≥55 (APC)	≤0.6	
2:2 PLC	1260~1650		≤4.4	≤0.8	≤0.2		
2:4 PLC			≤7.7	≤1.2	≤0.2		
2:8 PLC			≤11.2	≤1.2	≤0.3		
2:16PLC			≤14.5	≤1.8	≤0.3		
2:32PLC			≤17.6	≤1.8	≤0.3		

Remark:

- 1.The preceding data is the results of tests carried under 1310/1550 nm wavelength and room temperature.
- 2.The preceding insertion loss includes the insertion loss of the connectors.
- 3.The end face of connector must be cleaned before the test.
- 4.SPL2605 also supports the split ratio of 2:64.

Connector type

Optical split ratio	Connector type
1:2 FBT	SC/UPC SC/APC LC/APC FU/UPC
1:4 PLC	SC/UPC SC/APC LC/APC FU/UPC
1:8 PLC	SC/UPC SC/APC LC/APC FU/UPC
1:16 PLC	SC/UPC SC/APC LC/APC FU/UPC
1:32 PLC	SC/UPC SC/APC LC/APC FU/UPC
1:64 PLC	SC/UPC SC/APC LC/APC FU/UPC
2:2 FBT	SC/UPC SC/APC
2:2 PLC	LC/APC
2:4 PLC	SC/UPC SC/APC
2:8 PLC	SC/UPC SC/APC
2:16 PLC	SC/UPC SC/APC
2:32 PLC	SC/UPC SC/APC