



TAKFLY COMMUNICATIONS CO., LTD.

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Specs for PLC Splitter with Connector

Specification

Item	1x2	1x4	1x8	1x16	1x32	1x64	1x128
Fiber Type	G.657.A						
Working Wavelength	1260nm~1650nm						
Standard Insertion Loss (dB)	≤4.4	≤7.7	≤10.8	≤14.0	≤17.3	≤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.

Item	2x2	2x4	2x8	2x16	2x32	2x64	2x128
Fiber Type	G.657.A						
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



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Packaging Size for PLC Splitter Slot Box

Item	Type of Connector	Length*Width*Height (mm)
1x2	SC	130*100*25
1x4	SC	130*100*25
1x8	SC	130*100*25
1x16	SC	130*100*50
1x32	SC	130*100*102
1x32	SC	267*100*50
1X64	SC	130*100*205
2x2	SC	130*100*25
2x4	SC	130*100*25
2x8	SC	130*100*50
2x16	SC	130*100*50
2X32	SC	267*100*50
2x32	SC	130*100*102
2x64	SC	130*100*205