



## 1x2 (2x2) 100/125um Multi-Mode Broadband Splitter

Multi-core Cable Fan-Out Jumper and Pigtail fan out multicore (4,6,8,12 cores) cable to individual fiber jumper with connector endface to realize connection between multi-cores cables. It is convenient and stable for connection.

### Features of our splitter:

- Low Insertion loss
- High Directivity
- Stable and Reliable
- Compact size

### Applications for our splitter:

- Optical Communications System
- LAN
- Optical Sensor
- Access Network



Figure. MFOC

### Specifications:

Specification			Splitting Ratio: 50:50			
Parameter		Unit	1x2 or 2x2			
Grade			P	A	P	A
Central Wavelength		nm	1310 or 1550		850	
Bandwidth		nm	+/-20			
Insertion Loss	Max.	dB	3.4	3.8	4.2	4.6
Excess loss	Typ.	dB	0.15	0.3	0.7	0.9
Uniformity	Max.	dB	0.5	0.8	0.5	0.8



Uniformity	Max.	dB	0.5	0.8	0.5	0.8
Return Loss	Min.	dB	40			
Operating Temperature		°C	-40 to +85			
Storage Temperature		°C	-50 to +85			
Package Type		mm	S6	Diam. 3x54: for bare fiber		
			S8	Diam. 3x70: for 0.9mm loose tube		
			M1	10x20x90: for 0.9mm loose tube or 3mm cable		

<b>Splitting Ratio and Insertion Loss Conversion Table for 1310 or 1550+/-20nm</b>				
Splitting Ratio	Maximum Insertion Loss (dB)			
	Premium		A Grade	
Output Port	Output Port 1	Output Port 2	Output Port 1	Output Port 2
60:40	2.6	4.6	3.0	5.0
70:30	1.9	5.9	2.3	6.3
80:20	1.2	7.8	1.7	8.3
90:10	0.7	11.2	1.2	12
95:5	0.5	15	0.8	16

<b>Splitting Ratio and Insertion Loss Conversion Table for 850+/-20nm</b>				
Splitting Ratio	Maximum Insertion Loss (dB)			
	Premium		A Grade	
Output Port	Output Port 1	Output Port 2	Output Port 1	Output Port 2
60:40	3.3	5.2	3.8	5.7
70:30	2.6	6.5	3.0	7.0
80:20	1.9	8.3	2.4	9.0
90:10	1.4	11.6	1.9	12.5
95:5	1.2	15.5	1.5	16.5

- Wavelength: 1550, 1310, 850nm
- Structure: 1x2, 2x2
- Splitting Ratio: 95:5, 90:10, 80:20, 70:30, 60:40, 50:50
- Grade: Premium (P), A grade
- Fiber type: 100/125um
- Pigtail: 250um bare fiber, 0.9mm loose tube, 3mm cable
- Fiber length: 0.5m, 1.0m, 1.5m, 2.0m
- Connector: none, FC/PC, FC/APC, ST, customer's request

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing [sales2@o-eland.com](mailto:sales2@o-eland.com)