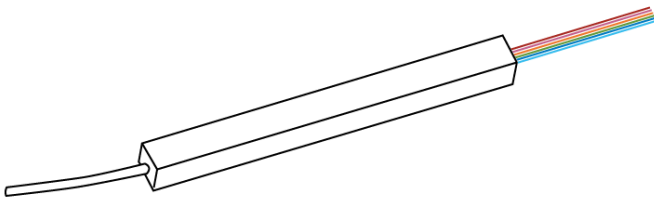


Product updated on February 27, 2017

# 1xN 2xN PLC Splitters



## Item Description

Growth in today's broadband applications demand reliable high performance splitters for use within a variety of environmental conditions and packaging options. A move towards PON's within the FTTX arena calls for a device offering low insertions loss, linear uniformity and high return loss, our splitters provide excellent specifications as well as in some cases exceeding international standards.

## Features/Benefits

- Designed to meet international standards
- Low IL and PDL
- Excellent uniformity
- Range of packaging options available
- High specification connectors available

## Applications

- FTTX deployments
- CATV networks
- PON's
- WAN's

**Specifications**

PARAMETERS	SPLITTER TYPE (ABS TYPE)										
	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32
Operating Wavelength	1260~1650nm										
Insertion Loss (MAX, dB)	3.8	7.1	10.2	13.5	16.5	20.4	4.0	7.4	10.5	13.9	17.5
Return Loss (dB)	50	50	50	50	50	50	50	50	50	50	50
PDL (MAX, dB)	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.3	0.3	0.3
Loss Uniformity (MAX, dB)	0.5	0.7	0.8	1.0	1.5	2.0	0.8	1.0	1.2	1.5	2
Directivity (dB)	55	55	55	55	55	55	55	55	55	55	55
<b>Dimension, Bare type 250um</b>											
Length (mm)	40	40	40	50	50	60	50	50	50	60	60
Width (mm)	4	4	4	7	7	12	4	4	4	7	7
Height (mm)	4	4	4	4	4	4	4	4	4	4	4
<b>Dimension, Component type 900um</b>											
Length (mm)	60	60	60	60	80	100	65	65	65	70	85
Width (mm)	7	7	7	12	20	40	7	7	7	12	20
Height (mm)	4	4	4	4	6	6	4	4	4	4	6
<b>Dimension, ABS type 2mm &amp; 3mm</b>											
Length (mm)	100	100	100	120	120	141	100	100	100	120	120
Width (mm)	80	80	80	80	80	115	80	80	80	80	80
Height (mm)	10	10	10	18	18	18	10	10	10	18	18
Temperature Range (°C)	-40 + 80										

\* all parameters above are tested without connectors.\* insertion loss will be 0.3dB higher if it with connector.\* return loss will be greater than 55dB with APC termination.Notes:(1) All measurements were performed at room temperature, at wavelength 1310nm &1550nm.(2) Coupling losses at the interfaces between the splitter chip and I/O fibres are included.

**Ordering information**

Planar light Circuit Splitter	Configuration	Wavelength	Cable Type	Package Style	Input Connectors	Output Connectors	Fibre Type	Lead Length Input	Lead Length Output		
PLC	102	1 x 2	A Broadband	1260-1650nm	0 250µm	Bare Type, A Ribbonized with 250µm tail	A None	A None	D G652D	1 1 metre	1 1 metre
	104	1 x 4			1 900um	Bare Type, De-Ribbonized with 250µm tail	B E2000/UPC	B E2000/UPC	A1G657A1	2 1.5 metre	2 1.5 metre
	108	1 x 8			2 2mm cable	Compact Component Typewith 900µm tail	C E2000/APC	C E2000/APC	A2G657A2	3 2 metre	3 2 metre
	116	1 x 16			D 900µm or 2mm tail	ABS Box Typewith tail	D FC/UPC	D FC/UPC		4 2.5 metre	4 2.5 metre
	132	1 x 32					E FC/APC	E FC/APC		5 3 metre	5 3 metre
	164	1 x 64					F LC/UPC	F LC/UPC			
	202	2 x 2					G LC/APC	G LC/APC			
	204	2 x 4					H MU/APC	H MU/APC			
	208	2 x 8					I MU/UPC	I MU/UPC			
	216	2 x 16					J SC/UPC	J SC/UPC			
	232	2 x 32					K SC/APC	K SC/APC			
	264	2 x 64					L ST/UPC	L ST/UPC			

Other lengths available on request.

**Example Part Number**

PLC		102		A		0		A		A		A		D		1		1
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This part number has created a 1x2, 250µm, Ribbon Fibre Splitter atBroadband 1260 - 1650nm with no connectors, 1m G652D pigtails.



**Further Information**

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <http://www.fibrefab.com/products/1xn-2xn-plc-splitters>
- FibreFab reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of February 27, 2017

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