

Splitter Cable

FibreFab have developed a patented splitter solution. The PLC splitter is housed inside a Fibrefab breakout unit to offer a ruggedized zero U splitter solution for POP, MDU and node applications within but not limited to the access network. The product is versatile, easy to install and can be deployed within a host of cabinets or racks where passive splitting is required.



Features

- Zero U
- Ruggedised
- Designed to meet Telcordia standards
- Easy to install

Applications

- Central office
- Head end
- POP
- MDU
- Node/Distribution point

Specification

Parameters	PLC Splitter Specification Splitter Type (ABS Type)											
	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32	2x64
Operating Wavelength	1260~1650nm											
Insertion Loss (AVE, dB)	4	7.3	10.5	13.8	16.8	20.5	4.4	8	11.7	14.7	17.9	21.2
Insertion Loss (MAX, dB)	4.5	7.7	11.2	14.2	17.5	21.5	4.7	8.3	12	15	18.2	21.9
Return Loss (dB)	55	55	55	55	55	55	55	55	55	55	55	55
PDL (AVE, dB)	0.1	0.1	0.15	0.15	0.15	0.2	0.1	0.1	1.2	0.3	0.3	0.4
PDL (MAX, dB)	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.4	0.4	0.4	0.5
Loss Uniformity (AVE, dB)	0.4	0.5	0.6	0.7	0.9	1.3	0.5	1	1	1.2	1.5	2.2
Loss Uniformity (MAX, dB)	0.6	0.8	1	1.4	1.7	2.7	0.8	1.4	1.7	2	2.2	2.7
Directivity (dB)	55	55	55	55	55	55	55	55	55	55	55	55
Operating Temp. (°C)	-40 ~ +85											
Storage Temp. (°C)	-40 ~ +85											
Dimension (L*W*H, mm)	100x80x9	100x80x9	100x80x9	120x8x18	140x114x18	140x114x8	100x80x9	100x80x9	100x80x9	120x8x18	140x114x18	140x114x18

Notes: (1) All parameters above are tested with APC connectors. (2) All parameters above are same for G.652D, G.657A1, G.657A2 fibers.

Ordering Information

PCC	Configuration		Wavelength	Cable Type	Package Style	Input Connectors		Output Connectors		Fibre Type	Lead Length Input		Lead Length Output	
	Code	Split				A	B	A	B		1	2	1	2
A	102	1 x 2	1310nm / 1550nm	1 900µm	A ABS Box	A	None	A	None	D G652D	1	1 metre	1	1 metre
	104	1 x 4				B	E2000/UPC	B	E2000/UPC		1.5	1.5 metre	1.5	1.5 metre
	108	1 x 8				C	E2000/APC	C	E2000/APC		2	2 metre	2	2 metre
	116	1 x 16	Broadband 1260-1650nm			D	FC/UPC	D	FC/UPC	A G657A	2.5	2.5 metre	2.5	2.5 metre
	132	1 x 32				E	FC/APC	E	FC/APC		3	3 metre	3	3 metre
	202	2 x 2				F	LC/UPC	F	LC/UPC					
	204	2 x 4				G	LC/APC	G	LC/APC					
	208	2 x 8				H	MU/APC	H	MU/APC					
	216	2 x 16				I	MU/UPC	I	MU/UPC					

232	2 x 32
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J	SC/UPC	J	SC/UPC
K	SC/APC	K	SC/APC
L	ST/UPC	L	ST/UPC

*Other lengths available upon request

Example Part Number

PCC	108	A	2	B	K	K	D	1	1
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This part number has created a 1x8, 2mm Splitter cable at 1310/1550nm, with SC/A connectors and 1m G652D fibre pigtails.