



## 1xN 2xN PLC Splitters

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 low return loss, our splitters provide excellent specifications as well as complying to and exceeding Telcordia GR-1221-CORE and GR-1209-CORE standards.

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## Features

- Designed to meet Telcordia standards
  - Non-standard housing options available
  - Low IL and PDL
  - Broadband Operation Wavelength Low Insertion Loss
  - Compact Design
  - Good channel to channel uniformity
  - High Reliability and Stability
  - Range of packaging options available
  - High specification connectors available
  - RoHS Compliance
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## Applications

- Telecommunication Sector
- PON System
- FTTx
- CATV
- Video Transmission
- WAN's

## Specifications

ELEMENT	VALUE	1x2	1X4	1X8	1X16	1X32	1X64	2x2	2X4	2X8	2X16	2X32
Operating Wavelength	nm	1260~1650										
Insertion Loss	≤dB Max	3.8	7.20	10.50	13.50	16.50	21.00	4.0	7.80	10.70	14.0	17.50
Loss Uniformity	≤dB	0.6	0.60	0.80	1.20	1.50	2.50	0.90	0.90	1.0	1.20	1.50
Polarization Dependent Loss	≤dB	0.20	0.20	0.30	0.30	0.30	0.40	0.20	0.20	0.25	0.30	0.30
Return Loss	dB Min	50										
Directivity	dB Min	55										
Operating Temperature	°C	-40 ~ +85										
Storage Temperature	°C	-40 ~ +85										
Fibre Type		G652.D or G657.A1/A2										
Fibre Length		1 meter or customer specified										
Connector Type		Customer specified										

**Notes:**

(1) All measurements were performed at room temperature.

(2) Coupling losses at the interfaces between the splitter chip and I/O fibres are included.

## Ordering Information

	Input Connector		Output Connector		Fibre Type		Wavelength		Configuration Type		Package Style		Cable Type		Input Lead Length		Output Lead Length	
OS1	x	None	x	None	9	G.652D	1	Broadband 1260- 1650nm	102	1x2	1	Case Ribbon	0	250µm	1	1 metre	1	1 metre
	0	LC	0	LC	A1	G.657A1	2	1310nm / 1550nm	104	1x4	2	Fan-out unit	1	900µm	1.5	1.5 metre	1.5	1.5 metre
	1	LCA	1	LCA	A2	G.657A2	3	1310 / 1490 / 1550nm	108	1x8	3	2&3mm module	2	2mm cable	2	2 metre	2	2 metre
	2	SC	2	SC					116	1x16			3	3mm cable	2.5	2.5 metre	2.5	2.5 metre
	3	SCA	3	SCA					132	1x32					3	3 metre	3	3 metre
	4	ST	4	ST					164	1x64					10	10 metres	10	10 metres
	5	FC	5	FC					202	2x2					...	...	...	...
	6	FCA	6	FCA					204	2x4					xx	Specify	xx	Specify
	7	E2	7	E2					208	2x8								
	8	E2A	8	E2A					216	2x16								
									232	2x32								
									264	2x64								
									264	2x64								

\*Splitters requiring 2mm & 3mm cable will be supplied in a plastic module with flying pigtails. Other lengths available on request.

## Example order code

OS1	-	33	A11	132	1	1	1	1
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PLC 1X32 Case Ribbon Splitter 1260/1650nm - 900µm Unterminated 1mtr Tails