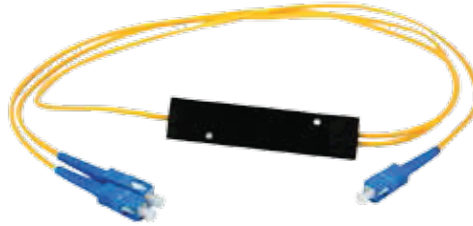


PLC SPLITTERS



PLC Splitter ABS Type



PLC Splitter Compact Component Type



PLC Splitter 19" Rack Mount Type

The FIBER-REX Planar Lightwave Circuit (PLC) splitters are specially designed for Fiber Optic Network applications. PLC splitters are available in the form of compact component type, ABS box type, and rack-mount type with a fiber tail. Can be used with fibers of 900um, 2.0mm or 3.0mm diameter.

The FIBER-REX PLC splitters come with a variety of connector options in order to meet customer requirements.

★ Features

- Low insertion loss
- Low PDL
- Good directivity
- Available in 3 different package types
- Available in pre-loaded in slimline panel option
- Up to 32 ports for SC connection in 19" slimline panel
- Up to 64 ports for LC connection in 19" slimline panel

✓ Applications

- FTTH
- Light source distribution
- Optical Fiber communication systems
- PON
- Optical fiber test equipment

⚙️ Technical Specification

Parameters	PLC Splitter											
	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)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
PDL (AVE, dB)	0.1	0.1	0.15	0.15	0.15	0.2	0.1	0.1	0.2	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	0.6	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] Component type	40*4*4	40*4*4	40*4*4	40*4*4	50*7*4	60*7*4	40*4*4	40*4*4	40*4*4	40*4*4	60*7*4	N/A
Dimension [L*W*H, mm] ABS type	100*80*9	100*80*9	100*80*9	120*8*18	140*114*18	140*114*18	100*80*9	100*80*9	100*80*9	120*8*18	140*114*18	140*114*18

🛒 Ordering Information

Part No.	Description
FR-PLC-1X2/9FCIN/SC0/2C	PLC Splitter, 1x2, 900um Fiber Tail, FC/In, SC/Out, 2 Meters, Compact Component
FR-PLC-1X16/2SCIN/LC0/3A	PLC Splitter, 1x16, 2.0mm Fiber Tail, SC/In, LC/Out, 3 Meters, ABS Type
FR-PLC-2X32/9ST/IN/SC0/1R	PLC Splitter, 2x32, 900um Fiber Tail, ST/In, SC/Out, 1 Meter, Rackmount Type