



## OVERVIEW

Zemecs FPLA2 series ABS LGX type PLC splitters are manufactured using silica optical waveguide technology and can split up to 8 fibers through different connectors. The pigtails are made of bend-insensitive single-mode fibers, making the product durable for installation purposes.

## FEATURES

- ABS LGX type
- Compatible with SC, LC and FC connectors
- High polarization extinction ratio
- Return Loss:  $\geq 55$  dB
- Uniformity:  $\leq 2.0$  dB
- Directivity:  $\geq 55$  dB
- Available in all fiber types

## APPLICATIONS

- Data centers
- Server rooms
- FTTx
- Passive optical networks
- Telecommunications
- Outside plant equipments

## PHYSICAL SPECIFICATIONS (Size, mm.)

Split Ratio / Installation Type	ABS LGX
1x2	130x100x25
1x4	130x100x25
1x8	130x100x25
1x16	130x100x50
1x32	130x100x102
1x64	130x100x206



## ENVIRONMENTAL SPECIFICATIONS

Transportation and Storage Temperature	-40 / +85	°C
Installation Temperature	-20 / +85	°C
Operation Temperature	-20 / +85	°C
Relative Humidity	10-90, Non-condensing	%

## OPTICAL SPECIFICATIONS

	1x2	1x4	1x8	
Fiber Type	Singlemode ITU-T G657.A2			
Operating Wavelength	1260~1650			nm.
Coupling Ratio	Even			
Return Loss	UPC: 50 / APC: 55			dB/min.
Insertion Loss (w/o connectors)	3,9	7,4	10,9	dB/max.
Uniformity	0,6	0,7	1	dB/max.
Polarization Dependent Loss	0,2	0,2	0,3	dB/max.
Wavelength Dependent Loss	0,2	0,2	0,3	dB/max.
Temperature Dependent Loss	0,5	0,5	0,5	dB/max.
Directionality	55	55	55	dB/min.
Optical Power Handling	300	300	300	mW/max.

## PART NUMBER CODING

Part Nr.	Product Description
FPLA2-1AXYYG	Zemecs ABS LGX Type Fiber Optic PLC Splitter, SM G657.A2, SC/APC, Grey

YYY: Split Ratio			
102	1x2	116	1x16
104	1x4	132	1x32
108	1x8	164	1x64

