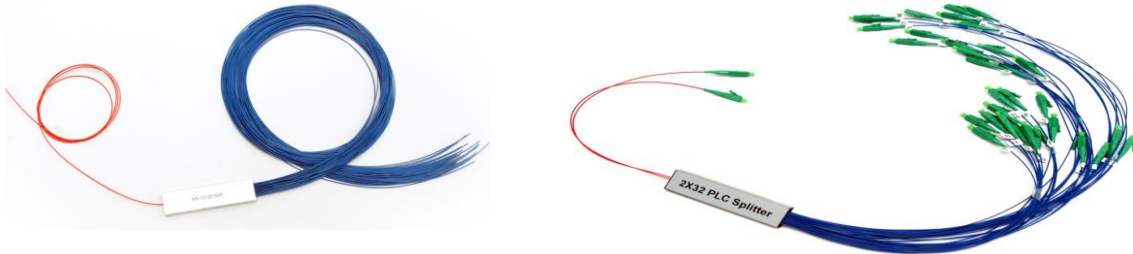




AMWAJ TELECOMMUNICATION MANUFACTURING COMPANY

P. O Box -325934, Riyadh 11371. SAUDI ARABIA

PLC SPLITTERS (FOPS)



FOPS , Planar Light wave Circuit (PLC) Splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size with high reliability wide operating range and good channel

to channel uniformity and is widely used in PON networks to realize optical power splitting

ATC provides whole series of 1 x N Splitter products that are tailor made to specific applications. The splitters meet Telcordia 1209 and 1221 requirements.

Features and Benefits:

- Low Insertion Loss
- Broadband operation
- Excellent uniformity
- Low polarization dependant Loss (PDL)
- Low excess loss and High Performance

Application:

- CATV
- Data Communication
- Fiber Optic Equipments and systems
- GPON Systems





AMWAJ TELECOMMUNICATION MANUFACTURING COMPANY

P. O Box -325934, Riyadh 11371. SAUDI ARABIA

Optical Characteristics (PLC Splitters)

Specifications:		1 x 2 50/50	2 x 2 50/50	1 x 4	2 x 4	1 x 8	2 x 8	1 x 16	2 x 16	1 x 32	2 x 32
Operating Wavelength		1260 - 1620 nm									
Fiber Type		Single Mode ITU-T G657-A									
* Insertion Loss (dB)	Typical	3.6	3.8	6.8	7.6	10.2	11.0	13.2	14.2	16.2	17.0
	Max	3.8	4.0	7.2	7.8	10.6	11.2	13.8	14.6	17.0	17.2
Return Loss (dB) Min		55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50
PDL (dB)	Typical	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.3
	Max	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.4
Directivity (dB)		55	55	55	55	55	55	55	55	55	55
Wavelength Dependant Loss (dB)	Typical	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3
	Max	0.3	0.3	0.3	0.5	0.3	0.5	0.5	0.5	0.5	0.5
Temperature Stability		Typical									
(-40 °C ~ + 85 °C)		Max									

* Insertion Loss at room temperature excludes connector loss. (IL with connector will be 0.3 dB higher)

Model No	Splitter Type *N - *X	IP/ OP Length (m)	*Connector Type	Dimensions (L x W x H) mm
FOPS -PLC-12	1: 2	1	LC/APC	60 x 7 x 4
FOPS -PLC-22	2: 2	1	LC/APC	60 x 7 x 4
FOPS -PLC-14	1: 4	1	LC/APC	60 x 7 x 4
FOPS -PLC-24	2: 4	1	LC/APC	60 x 7 x 4
FOPS -PLC-18	1: 8	1	LC/APC	60 x 7 x 4
FOPS -PLC-28	2: 8	1	LC/APC	60 x 7 x 4
FOPS -PLC-116	1: 16	1	LC/APC	60 x 12 x 4
FOPS -PLC-216	2: 16	1	LC/APC	60 x 12 x 4
FOPS -PLC-132	1:32	1	LC/APC	80 x 20 x 6
FOPS -PLC-232	2: 32	1	LC/APC	80 x 20 x 6

*N = Splitter (Input) , 0.9 mm loose buffer red color, 1 meter in length or as customer specified .

*X= Splitter (Output, 0.9 mm loose buffer Blue color, 1 meter in length or as customer specified .

*Connector = ATC provides splitters with LC/APC connector as standard or as customer specified.

