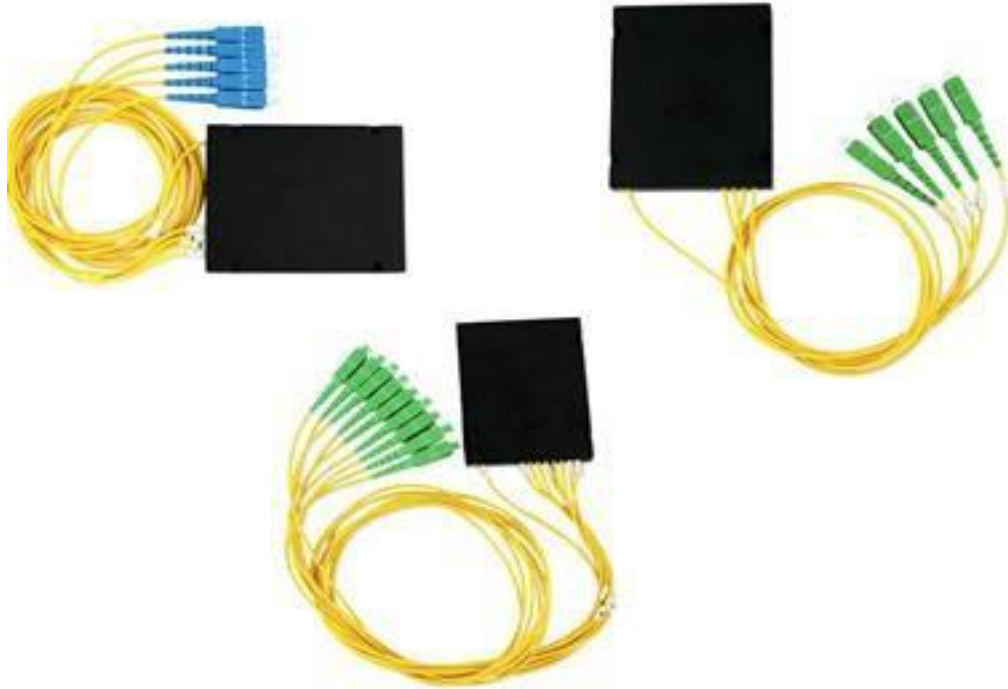


ABS Module PLC SPLITTERS



ABS Module 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. A whole series of N * X 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 dependent Loss (PDL)
- Low excess loss and High Performance

Application:

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

Optical Characteristics (PLC Splitters without connector)

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									
* Insertion Loss (dB)	Typical	3.6	3.8	6.8	7.6	10.2	11.0	13.2	14.2	16.2	17.2
	Max	3.8	4.0	7.2	7.8	10.6	11.2	13.8	14.6	17.0	17.5
Return Loss (dB) Min	UPC APC	UPC : $\geq 50 / 55$				APC : $\geq 55 / 60$					
	Typical	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.3
PDL (dB)	Max	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.4
	Typical	55	55	55	55	55	55	55	55	55	55
Wavelength Dependent 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 (-40 °C ~ + 85 °C)	Typical	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
	Max	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

* Insertion Loss at room temperature exclude connector loss. (IL with connector will be 0.25 dB higher

Model No	Splitter Type N* X	IP/ OP Length (m)	Code *Connector Type XX	Code *Polishing YY	Code *Fiber Type ZZ	Box Dimensions (L x W x H) mm
ATC-ABS-M-PLC-12	1: 2	2.5	01 = LC 02 = SC 03 = FC	01 UPC 02= APC	SM1= Single mode G657A1 SM2= Single mode G657A2	100 x 80 x 10
ATC-ABS-M-PLC-22	2: 2	2.5				100 x 80 x 10
ATC-ABS-M-PLC-14	1: 4	2.5				100 x 80 x 10
ATC-ABS-M-PLC-24	2: 4	2.5				100 x 80 x 10
ATC-ABS-M-PLC-18	1: 8	2.5				100 x 80 x 10
ATC-ABS-M-PLC-28	2: 8	2.5				100 x 80 x 10
ATC-ABS-M-PLC-116	1: 16	2.5				120 x 80 x 18
ATC-ABS-M-PLC-216	2: 16	2.5				120 x 80 x 18
ATC-ABS-M-PLC-132	1:32	2.5				120 x 80 x 18
ATC-ABS-M-PLC-232	2: 32	2.5				120 x 80 x 18

*N = Splitter (Input) , 1.6 mm loose buffer Red color, Max 2.5 meter in length or as customer specified .

*X= Splitter (Output, 1.6 mm loose buffer Yellow color, Max 2.5 meter in length or as customer specified.

Ordering Information: ATC-ABS-M-PLC-Type-XX-YY-ZZ

Example: ATC-ABS-M-PLC-232-01-02-SM1

ABS Module Splitter Type 2: 32 with LC/APC connector, Fiber Single mode G657A1, Input Red, Output yellow, 1.6 mm \varnothing