
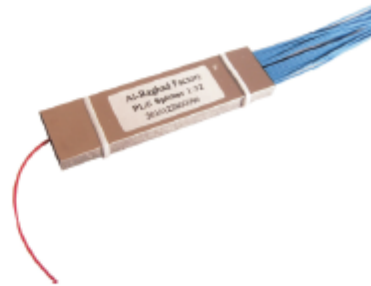


Modelo: WT-SP-PLC	ESPECIFICACIONES TECNICAS	
Fecha: 2013		
Hojas 1 de 4		
Asunto	DIVISOR OPTICO PLANAR PLC	

Description:

This document detail is specifications of 1xN PLC splitter modules.

The PLC splitters are fully compliant with Telcordia GR-1209 and Gr1221 reliability stipulations.



Operating Conditions:

Parameter	Unit	Specifications
Operating Temperature	°C	-40 ~ +85
Wavelength Range	nm	1260~1360, 1480~1600
Maximum Input Power	mw	500
Storage Humidity	RH	30~85%.

Inspection:

Inspection sheet shall be an appended to products when they are delivered.

It shall contain the following items.

(*) Test report shall be submitted in papers and in electronic media.

Parameter	Condition	Unit	Specifications					
			1x4	1x8	1x16	1x24	1x32	1x64
Insertion loss	@1.31,1.55um	dB	≤7.2	≤10.7	≤13.9	≤16.2	≤17.2	≤22.0
Uniformity of LL	@1.31,1.55um	dB	≤0.8	≤1.0	≤1.4	≤1.5	≤1.6	≤2.5
PDL	@1.31,1.55um	dB	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
Return loss	@1.31,1.55um	dB	≥ 55					
Appearance	i.e. by indication of 'passed'							

1x4 Splitter:

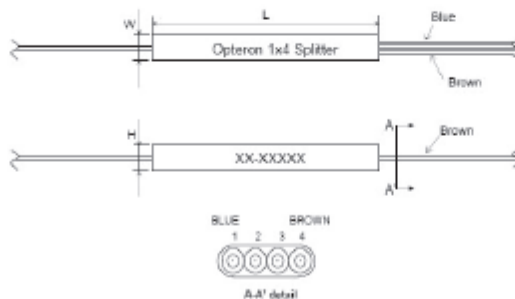


Figure 1. Mechanical outline of 1x4 PLC splitter module with full pitch output fiber spacing

Port Number	Ribbon 1	1	2	3	4
Color of Output Fiber		Blue	Orange	Green	Brown
Color of Input Fiber	White (Fiber & Loose Tube)				

1x8 Splitter:

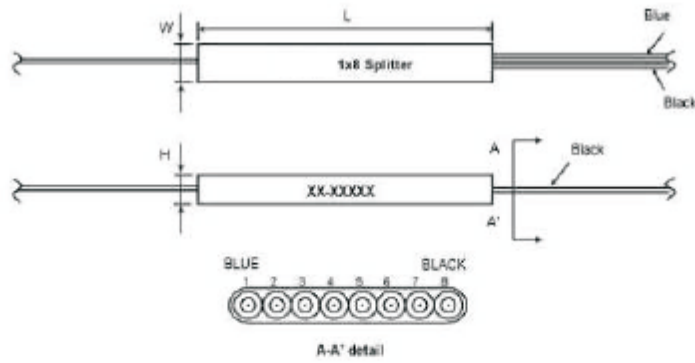


Figure 2. Mechanical outline of 1x4 PLC splitter module with full pitch output fiber spacing

Port Number	Ribbon 1	1	2	3	4	5	6	7	8
Color of Output Fiber		Blue	Orange	Green	Brown	Slate	White	Red	Black
Color of Input Fiber		White (Fiber & Loose Tube)							

1x16 Splitter:

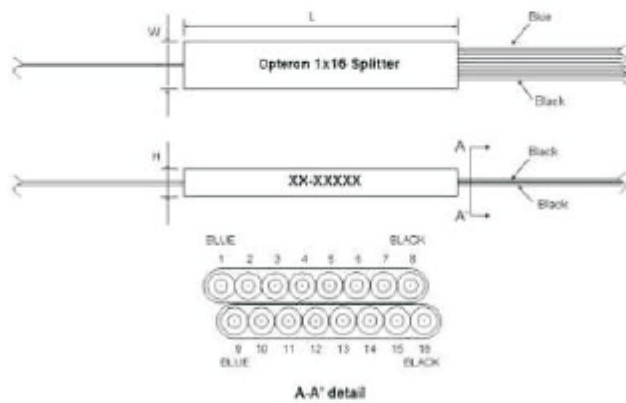


Figure 3. Mechanical outline of 1x16 PLC splitter module with half pitch output fiber spacing

Port Number	Ribbon 1	1	2	3	4	5	6	7	8
	Ribbon 2	9	10	11	12	13	14	15	16
Color of Output Fiber		Blue	Orange	Green	Brown	Slate	White	Red	Black
Color of Input Fiber		White (Fiber & Loose Tube)							

1x32 Splitter:

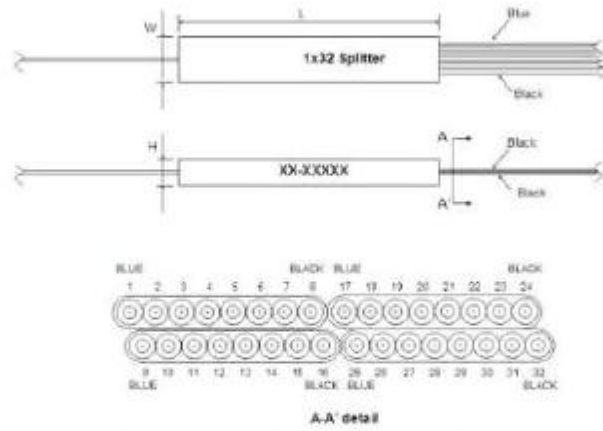


Figure 4. Mechanical outline of 1x32 PLC splitter module with half pitch output fiber spacing

	Ribbon 1	1	2	3	4	5	6	7	8
Port Number	Ribbon 2	9	10	11	12	13	14	15	16
	Ribbon 3	17	18	19	20	21	22	23	24
	Ribbon 4	25	26	27	28	29	30	31	32
Color of Output Fiber	Blue	Orange	Green	Brown	Slate	White	Red	Black	
Color of Input Fiber	White (Fiber & Loose Tube)								

1x64 Splitter:

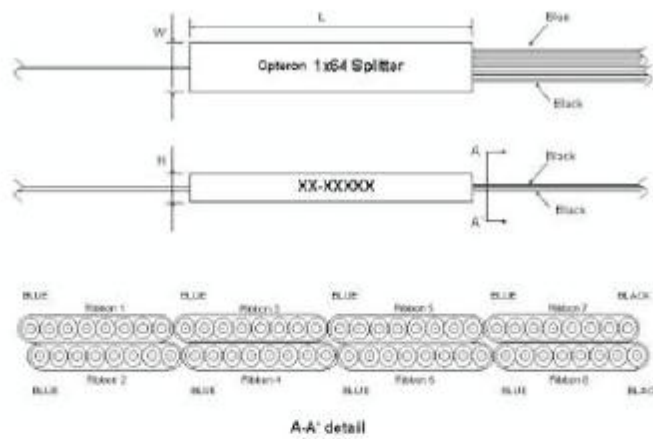


Figure 5. Mechanical outline of 164 PLC splitter module with half pitch output fiber spacing

Port Number	Ribbon 1	1	2	3	4	5	6	7	8
	Ribbon 2	9	10	11	12	13	14	15	16
	Ribbon 3	17	18	19	20	21	22	23	24
	Ribbon 4	25	26	27	28	29	30	31	32
	Ribbon 5	33	34	35	36	37	38	39	40
	Ribbon 6	41	42	43	44	45	46	47	48
	Ribbon 7	49	50	51	52	53	54	55	56
	Ribbon 8	57	58	59	60	61	62	63	64
Color of Output Fiber	Blue	Orange	Green	Brown	Slate	White	Red	Black	
Color of Input Fiber	White (Fiber & Loose Tube)								

I/O Fiber:

- 1) 1 x N module
- 2) Input Fiber: 250 +/- 15um SMF
- 3) Output Fibers: Ribbons
- 4) I/O Fiber Length: 2000mm