

# PLC Splitter Black Box

CO-S-PL-xxx-BB-2000-SCA

PLC (Planar Lightwave Circuit) Splitters to use in FTTH application..



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## features:

- PLC technology,
- even splitting ratio,
- universal design - Mini Box Package,
- low Insertion Loss,
- high uniformity,
- low PDL,
- split from 1x2 to 1x64,
- connector with 3D pass,
- wavelength 1260nm to 1650nm,
- operating temperature: -40°C to 85°C,
- colorful pigtails (optional).

## standards and certificates:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- IEC 61753-1
- RoHS

## sectors:



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## technical specifications:

PLC splitter	1x2	1x4	1x8	1x16	1x32	1x64
operating wavelength [nm]	1260 ~ 1650					
insertion loss [dB] *	< 3,8	< 7,1	< 10,4	< 13,7	< 17,0	< 20,3
uniformity [dB]	< 0,4	< 0,7	< 0,8	< 1,2	< 1,6	< 1,9
PDL [dB]	< 0.2		< 0.3			< 0.4
directivity [dB]	> 55					
return loss [dB]	> 55					
optical power [mW] *	< 500 *					
dimensions of Mini Box package (W x H x D) [mm]	10x80x100				18x80x120	18x115x141
fiber type ITU-T	G.657A					
connectors type	SC/APC					
connector Insertion Loss [dB]	≤ 0,25					
connector Return Loss [dB]	≥ 65					
operating temperature [°C]	-40 to +85					

\* The value doesn't include the influence of connectors and adapters

## configuration:

0	1	2	3	4	description
CO-S					optical splitter
	-PL				PLC type
		-102 -104 -108 -116 -132 -164			1x2 split ratio 1x4 split ratio 1x8 split ratio 1x16 split ratio 1x32 split ratio 1x64 split ratio
			-BB		ABS box package
				-2000	pigtail 2[mm] with length 1[m]
				-SCA	SC/APC connectors
				-LCA	LC/APC connectors