

PLC power coupler in LGX modular casing

S-PL-xxx-xLGX

PLC power coupler is used to transmit point-to-multipoint signals in FTTx networks.



Power coupler in LGX single case



Power coupler in a double LGX case

main features:

- power coupler made in planar PLC technology,
- PLC technology allows for better transmission parameters and smaller sizes than FBT welded technology,
- even power distribution of the input signal between multiple outputs,
- combining the signal from multiple inputs to one output
- signal splitting steps from 1x2 to 1x64,
- transmitting point-to-multipoint signals in networks with tree topology,
- A wide optical window provides parameter stability over the entire 1250 to 1650 nm band.

standards and certificates

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS
- IEC 61753-1
- ZN-OPL-045/13
- ZN-OPL-044/13

sectors:



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technical specifications:

	1x2	1x4	1x8	1x16	1x32	1x64
band [nm]	1260 - 1650					
insertion loss [dB]*	< 3,8	< 7,1	< 10,4	< 13,7	< 17,0	< 20,3
uniformity [dB]	< 0,4	< 0,7	< 1,0	< 1,3	< 1,6	< 1,9
polarization stability (PLD) [dB]	< 0,2	< 0,2	< 0,2	< 0,25	< 0,3	< 0,3
directivity [dB]	> 55					
optical force [mW]	< 500					
LGX (singular)	25 × 130 × 100			-	-	-
LGX2 (dual)	-	-	-	50 × 130 × 100	-	-
LGX4 (quadruple)	-	-	-	-	120 × 130 × 158,5	-
LGX8 (eightfold)	-	-	-	-	-	240 × 130 × 158,5
exit marking	oznaczniki lub opis na panelu czółowym					
type of connectors/ adapters	SC/APC					
connector attenuation[dB]	≤ 0,25					
connector reflectance[dB]	≥ 65					
operating temperature [°C]	- 40 do +85					

* the value quoted does not take into account the attenuation provided by connectors and adapters

ordering:

0	1	2	3	4	5	opis
S-						optical coupler
	PL-					planar technology
		102-				divide 1x2
		104-				divide 1x4
		108-				divide 1x8
		116-				divide 1x16
		32-				divide 1x32
		64-				divide 1x64
			PLGX-			LGX plastic case, single
			PLGX2-			LGX plastic case, double
			LGX4-			LGX plastic case, quadruple
			LGX8-			LGX plastic case, eightfold
				1-		1 piece in case
				2-		2 pieces in case
				3-		3 pieces in case
					SCA	SC/APC standard connectors