

Technical datasheet

PLC Splitter 0,25mm OUTDOOR



Model	Output tube diameter	Input/output fiber length	Pipe Sizes
1x2 Splitter	0,25mm	according customer request	4mm x 4mm x 40mm
1x4 Splitter	0,25mm		4mm x 4mm x 40mm
1x8 Splitter	0,25mm		4mm x 4mm x 40mm
1x16 Splitter	0,25mm		4mm x 7mm x 50mm
1x32 Splitter	0,25mm		4mm x 7mm x 50mm
1x64 Splitter	0,25mm		4mm x 12mm x 60mm

Model	Output tube diameter	Input/output fiber length	Pipe Sizes
2x2 Splitter	0,25mm	according customer request	4mm x 4mm x 40mm
2x4 Splitter	0,25mm		4mm x 4mm x 40mm
2x8 Splitter	0,25mm		4mm x 4mm x 40mm
2x16 Splitter	0,25mm		4mm x 7mm x 50mm
2x32 Splitter	0,25mm		4mm x 7mm x 50mm
2x64 Splitter	0,25mm		4mm x 12mm x 60mm

b a	Änderung Neuerstellung	17.09.2025 30.06.2023	LE LE	drawn	30.06.2023	LE	d.center [®]
				appr.	30.06.2023	MJ	
				Titel:			
				PLC Splitter 0,25mm OUTDOOR			
Index	Revision code	Date	Name	Drawing number:			Dimensions: mm
				ZN-FO230098			Original: DIN A4
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Technical Data

Typ / Type		1x2	1x4	1x8	1x16	1x32	1x64
Operation Wavelength (nm)		1260-1650					
Low insertion loss (dB)	Max	3,5	6,8	9,9	13,4	16,4	19,5
Loss uniformity (dB)	Max	0,6	0,8	0,8	1	1,5	1,8
Return loss (dB)		≥50	≥50	≥50	≥50	≥50	≥50
Polarization Dependent Loss (dB)	Max	0,2	0,2	0,2	0,2	0,2	0,2
Directivity (dB)		≥55	≥55	≥55	≥55	≥55	≥55
Fiber Type		Corning smf-28e or customer designation					
Wavelength Dependant Loss (dB)	Max	0,6	0,6	0,6	0,8	0,8	0,8
Temperature correlation loss -40°C - 85°C (dB)	Typical value	0,2	0,2	0,3	0,4	0,4	0,4
	Max	0,5	0,5	0,5	0,5	0,5	0,5
Working Temperature (°C)		-45°C ~ +85°C					
Storage Temperature (°C)		-45°C ~ +85°C					

Typ / Type		2x2	2x4	2x8	2x16	2x32	2x64
Operation Wavelength (nm)		1260-1650					
Low insertion loss (dB)	Max	3,7	7,1	10,2	13,6	16,7	20,2
Loss uniformity (dB)	Max	0,6	0,8	0,8	1	1,5	1,8
Return loss (dB)		≥50	≥50	≥50	≥50	≥50	≥50
Polarization Dependent Loss (dB)	Max	0,2	0,2	0,2	0,2	0,2	0,2
Directivity (dB)		≥55	≥55	≥55	≥55	≥55	≥55
Fiber Type		Corning smf-28e or customer designation					
Wavelength Dependant Loss (dB)	Max	0,6	0,6	0,6	0,8	0,8	0,8
Temperature correlation loss -40°C - 85°C (dB)	Typical value	0,2	0,2	0,3	0,4	0,4	0,4
	Max	0,5	0,5	0,5	0,5	0,5	0,5
Working Temperature (°C)		-45°C ~ +85°C					
Storage Temperature (°C)		-45°C ~ +85°C					

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Order codes

Description	Order Code
d.center® PLC Splitter Outdoor Bare Fiber 250µm 1:2, IN / OUT: 3,10m	PLC25012
d.center® PLC Splitter Outdoor Bare Fiber 250µm 2:2, IN / OUT: 3,10m	PLC25022
d.center® PLC Splitter Outdoor Bare Fiber 250µm 1:4, IN / OUT: 3,10m	PLC25014
d.center® PLC Splitter Outdoor Bare Fiber 250µm 2:4, IN / OUT: 3,10m	PLC25024
d.center® PLC Splitter Outdoor Bare Fiber 250µm 1:8, IN / OUT: 3,10m	PLC25018
d.center® PLC Splitter Outdoor Bare Fiber 250µm 2:8, IN / OUT: 3,10m	PLC25028
d.center® PLC Splitter Outdoor Bare Fiber 250µm 1:16, IN / OUT: 3,10m	PLC250116
d.center® PLC Splitter Outdoor Bare Fiber 250µm 2:16, IN / OUT: 3,10m	PLC250216
d.center® PLC Splitter Outdoor Bare Fiber 250µm 1:32, IN / OUT: 3,10m	PLC250132
d.center® PLC Splitter Outdoor Bare Fiber 250µm 2:32, IN / OUT: 3,10m	PLC250232
d.center® PLC Splitter Outdoor Bare Fiber 250µm 1:64, IN / OUT: 3,10m	PLC250164
d.center® PLC Splitter Outdoor Bare Fiber 250µm 2:64, IN / OUT: 3,10m	PLC250264

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