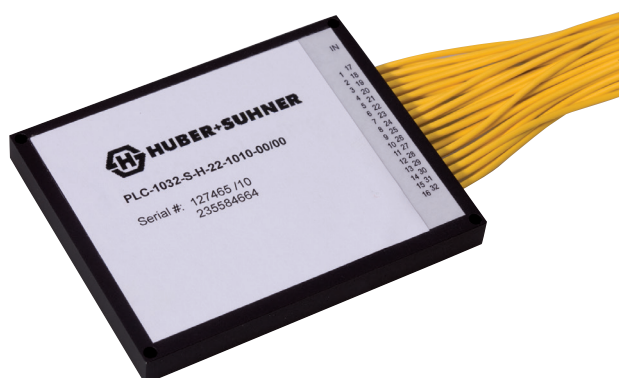


# 1 x n/2 x n broadband PLC splitter – standard hard case singlemode



## Features

- PLC splitter for all wavelength bands
- Low excess loss
- Low polarisation dependent loss (PDL)
- Excellent mechanical and environmental performance
- Telcordia GR-1209/GR-1221

## Applications

- Telecommunication networks
- CATV networks data communication
- Network monitoring

## Generic specifications 1 x n standard and premium grade\*

Parameter	Unit	1 x 2	1 x 4	1 x 8	1 x 16	1 x 32	1 x 64
Operating wavelength	nm	1260 to 1650					
Insertion loss standard grade	dB	≤ 4.0	≤ 7.3	≤ 10.5	≤ 13.8	≤ 17.0	≤ 20.6
Uniformity standard grade	dB	≤ 0.6	≤ 0.6	≤ 0.8	≤ 1.2	≤ 1.5	≤ 1.8
PDL standard grade	dB	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
Insertion loss premium grade	dB	≤ 3.8	≤ 7.0	≤ 10.2	≤ 13.5	≤ 16.8	≤ 20.3
Uniformity premium grade	dB	≤ 0.5	≤ 0.5	≤ 0.8	≤ 1.2	≤ 1.2	≤ 1.8
PDL premium grade	dB	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.3
Return loss	dB	≥ 55					
Directivity	dB	≥ 55					
Operating temperature	°C	−40 to +85					
Package dimension (L x W x H)	mm	100 x 80 x 10					100 x 100 x 20

\* Without connector loss

## Generic specifications 2 x n standard and premium grade\*

Parameter	Unit	2 x 4	2 x 8	2 x 16	2 x 32
Operating wavelength	nm	1260 to 1650			
Insertion loss standard grade	dB	≤ 7.5	≤ 10.8	≤ 14.3	≤ 17.8
Uniformity standard grade	dB	≤ 1.2	≤ 1.2	≤ 1.8	≤ 1.8
PDL standard grade	dB	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
Insertion loss premium grade	dB	≤ 7.3	≤ 10.5	≤ 14.0	≤ 17.5
Uniformity premium grade	dB	≤ 1.2	≤ 1.2	≤ 1.8	≤ 1.8
PDL premium grade	dB	≤ 0.25	≤ 0.25	≤ 0.3	≤ 0.3
Return loss	dB	≥ 55			
Directivity	dB	≥ 55			
Operating temperature	°C	−40 to +85			
Package dimension (L x W x H)	mm	100 x 80 x 10			

\* Without connector loss

## Order code

1	2	-	3	4	5	6	-	7	8	-	9	10	-	11	-	12	/	13	-	14	15
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1	Splitter type
P	PLC splitter

2	Number of ports
1002	1 x 2
1004	1 x 4
1008	1 x 8
1016	1 x 16
1032	1 x 32
1064	1 x 64
2004	2 x 4
2008	2 x 8
2016	2 x 16
2032	2 x 32

3	Case type
D	Standard plastic hard case (material: ABS) (with 0.9 mm loose tube or 2.0 mm cable)

4	Operating wavelength
A	1260 to 1650 nm

5	Fiber type – splitter quality grade
A	Singlemode 9/125 µm – standard splitter grade
B	Singlemode 9/125 µm – premium splitter grade

6	Splitting ratio
A	Equal

7	Lead type on input port
8	Lead type on output port
2	0.9 mm loose tube
3	2.0 mm loose tube

9	Lead length on input port
10	Lead length on output port
05	0.5 m
06	0.6 m
07	0.7 m
08	0.8 m
09	0.9 m
10	1.0 m
...	...
30	3.0 m

11	Ribbon length
00	No fan-out

12	Connector type on input port
13	Connector type on output port
00	No connector
30	FC
33	FC APC wide key
34	FC APC small key
70	SC
73	SC APC 8°
74	SC APC 9°
80	LX.5
83	LX.5 APC
85	LC ≤ 1.0 mm
8P	LC push-pull
86	LC APC ≤ 1.0 mm
8Q	LC APC push-pull
90	LSH
93	LSH APC

14	Connector quality grade on input port
15	Connector quality grade on output port
K	No connector
A	Singlemode LanEco APC
N	Singlemode LanEco UPC