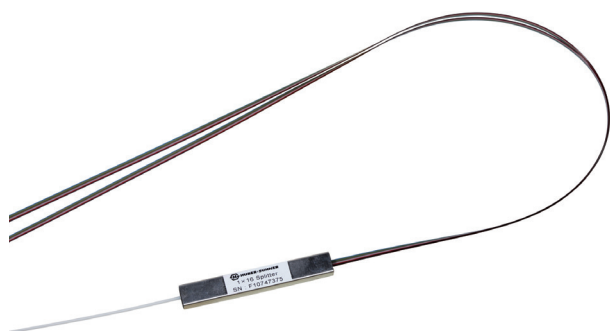


# 1 x n/2 x n broadband PLC splitter – small case with de-ribbonised output singlemode



## 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	40 x 4 x 4			47 x 7 x 4		58 x 12 x 4

\* 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	55 x 7 x 4			60 x 7 x 4

\* 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
A	Small case with ribbon fiber output (de-ribbonised individual 250 µm fibers, without fan-out divider)

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
1	250 µm bare fiber
2	0.9 mm loose tube

8	Lead type on output port
1	250 µm de-ribbonised ribbon fiber

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
	From the splitter to the position where the ribbon fiber is de-ribbonised
10	10 cm (100 mm)
15	15 cm (150 mm)
20	20 cm (200 mm)
25	25 cm (250 mm)
...	...
50	50 cm (500 mm)

12	Connector type on input port
	No connector available if input port with 250 µm bare fiber
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
86	LC APC ≤ 1.0 mm
90	LSH
93	LSH APC

13	Connector type on output port
00	No connector

14	Connector quality grade on input port
15	Connector quality grade on output port
	No connector available if input port with 250 µm bare fiber
K	No connector
A	Singlemode LanEco APC
N	Singlemode LanEco UPC