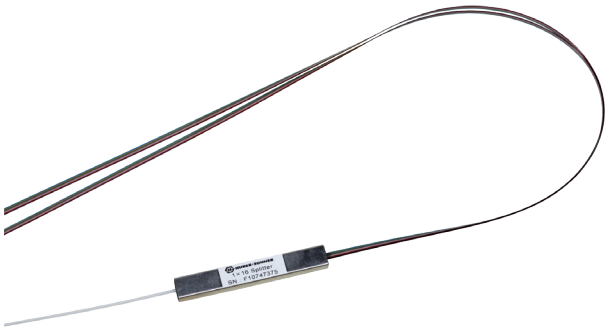
# 1 x n/2 x n broadband PLC splitter – small case with de-ribbonised output single-mode



## 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 | 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<br>(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 | Single-mode 9/125 µm – standard splitter grade |
| B | Single-mode 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° |
| 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 | Single-mode LanEco APC |
| N | Single-mode LanEco UPC |