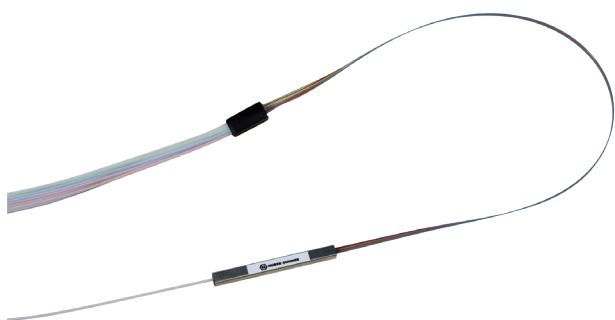


1 x n/2 x n broadband PLC splitter – small case with fan-out output single-mode



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 | 2 | - | 3 | 4 | 5 | 6 | - | 7 | 8 | - | 9 | 10 | - | 11 | - | 12 | / | 13 | - | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|----|---|----|---|----|---|----|---|----|----|

| 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 and fan-out |

| 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 | |
|----------------------------|---|
| 6 | Ribbon fiber with 0.9 mm small fan-out divider (divider size: 14.5 mm x 6 mm x 3.5 mm) |

| 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 of fan-out |
| 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 | |
|---------------------------------|--|
|---------------------------------|--|

| 13 Connector type on output 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° |
| 85 | LC \leq 1.0 mm |
| 86 | LC APC \leq 1.0 mm |
| 90 | LSH |
| 93 | LSH APC |

| 14 Connector quality grade on input port | |
|--|--|
|--|--|

| 15 Connector quality grade on output port | |
|---|------------------------|
| K | No connector |
| A | Single-mode LanEco APC |
| N | Single-mode LanEco UPC |