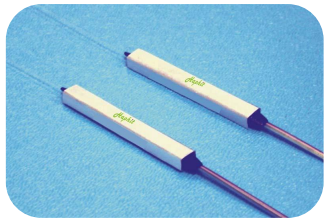
# PLC Splitter

## FEATURES

- Low Excess Loss
- Variety Coupling Ratio
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

## APPLICATIONS

- LAN WAN Systems
- Signal Monitoring
- Network Monitoring
- CATV
- Test Equipments



## SPECIFICATIONS

| Parameter | Unit | Value | | | | | |
|---|---|---|---|---|---|---|---|
| Working Wavelength | nm | 1260-1650 | | | | | |
| ***Configuration*** | - | ***1x2*** | ***1x4*** | ***1x8*** | ***1x16*** | ***1x32*** | ***1x64*** |
| Insertion Loss | dB | ≤4.1 | ≤7.3 | ≤10.5 | ≤13.8 | ≤16.8 | ≤21.0 |
| Uniformity | dB | ≤0.6 | ≤0.6 | ≤0.8 | ≤1.2 | ≤1.5 | ≤2.5 |
| PDL | dB | ≤0.2 | ≤0.2 | ≤0.25 | ≤0.3 | ≤0.3 | ≤0.3 |
| Package Dimension (Bare Fiber) | mm | 4x4x40 | 4x4x40 | 4x4x40 | 4x7x50 | 4x7x50 | 4x12x60 |
| Package Dimension (Loose Tube) | mm | 4x4x40 | 4x7x60 | 4x7x60 | 4x12x60 | 4x12x60 | 6x40x100 |
| ***Configuration*** | - | ***2x2*** | ***2x4*** | ***2x8*** | ***2x16*** | ***2x32*** | ***2x64*** |
| Insertion Loss | dB | ≤4.3 | ≤7.6 | ≤11.0 | ≤14.5 | ≤17.5 | ≤21.5 |
| Uniformity | dB | ≤0.8 | ≤0.9 | ≤1.5 | ≤2.0 | ≤2.5 | ≤2.5 |
| PDL | dB | ≤0.2 | ≤0.2 | ≤0.3 | ≤0.4 | ≤0.4 | ≤0.4 |
| Package Dimension (Bare Fiber) | mm | 4x4x50 | 4x4x50 | 4x4x50 | 4x7x60 | 4x7x60 | 4x12x60 |
| Package Dimension (Loose Tube) | mm | 4x7x60 | 4x7x60 | 4x7x60 | 4x12x80 | 6x20x80 | 6x40x100 |
| Return Loss | dB | ≥50 | | | | | |
| Directivity | dB | ≥55 | | | | | |
| Fiber Type | - | SMF-28 Fiber | | | | | |
| Fiber Tensile Load | N | 5 | | | | | |
| Max. Optical Power (CW) | mW | 300 | | | | | |
| Operating Temperature | °C | -20-75 | | | | | |
| Storage Temperature | °C | -40~85 | | | | | |

**Note:** 1. Specifications are for device without connectors; Specifications may change without notice.
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.
3. Devices for higher optical power or with other type fiber or consigned fiber are also available.
4. Package size may be different for different optical power and fiber type.

## ORDERING INFORMATION (PN)

**FLCS - NXNN - C C NN - CC/CCC - CC/CCC**

| *Configuration* | *Input Fiber* | *Output Fiber* | *Fiber Length* | *Input Connector* | *Output Connector* |
|---|---|---|---|---|---|
| 1X32=1x32 Type | B= 250um Bare Fiber | B= 250um Bare Fiber | 05=0.5m | N=None | N=None |
| 2X08=2X8 Type | L= 900um Loose Tube | L= 900um Loose Tube | 10=1.0m | FC/APC=FC/APC Connector | FC/APC=FC/APC Connector |
| 1X04=1x4 Type | T= 900um Tight Buffer | R= Ribbon Bare Fiber | 15=1.5m | SC/PC= SC/PC Connector | MPO=MPO Connector |
| 1X02=1x2 Type | | F=FanOut/900um Loose Tube | 20=2.0m | LC/APC=LC/APC Connector | LC/APC=LC/APC Connector |