# PLC Splitter 1×4 Single Mode Blockless PLC Fiber Optic Coupler(7233204)

## Features:

- Telcordia GR-1221 and GR-1209
- Low Polarization Dependent Loss
- High optical return loss
- Excellent Environmental Stability
- Optional connectors termination upon request
- Available in 250um & 900um fiber, 2mm or 3mm
- 900μm ITU G.657A1 for fiber input/output
- SC/APC,SC/UPC,LC FC ST or other Customized Connectors
- Low Insertion Loss
- Plastic Module Package for Safe Protection
- Different Fiber Cable Diameters Supplied

## PLC Splitter 1x4 Application：

- FTTH, LAN, PON & Optical CATV
- Local ring net, Optical fiber communication system
- Optical fiber test equipment, Optical fiber sensor

## PLC Splitter 1x4 Specification

| | |
|---|---|
| PLC Splitter Type | 1×4 PLC Splitter |
| Configuration Type | 1×4 |
| Operating Wavelength (nm) | 1260~1650nm |
| Fiber Length | 1m or 1.5m or Requested |
| Bandwidth (nm) | 20nm |
| Package Style | Blockless |
| Fiber Type | Singlemode G657A1 or G652D |
| Fiber Diameter | 0.9mm |
| Polarization Dependent Loss (≤) dB | 0.2 |
| Wavelength Dependent Loss (≤) dB | 0.3 |
| Typical Insertion Loss (≤) dB | 7 |
| Insertion Loss (≤) dB | 7.4 |
| Loss Uniformity (≤) dB | 0.6 |
| Operating Temperature (°C) | -40 ～ 85 |
| Storage Temperature (°C) | -40 ～ 85 |
| Sealing Package Dimension (mm) | 50*4*4 |
| Blockless Sealing Package Dimension (mm) | 60*7*4 |
| Connector Type | SC/APC,SC/UPC,LC FC ST |
| Brand | HELLOSIGNAL® OR OEM |
| Delivery time | Normally 25 days after received the deposit. |
| MOQ | 20pcs |

## Introduction to PLC Splitter 1x4

This PLC Splitter 1×4 Single Mode Blockless PLC Fiber Optic Coupler with 1 input and 4 output fibers with an even split ratio across all fibers regardless of input wavelength. PLC Splitters are availble with 900μm loose tube singlemode fiber and terminated or unterminated as per your needs. Unconnectorized PLC splitters come with no connectors for easy splicing or connectorization. Connectorized PLC Splitters are available with your choice of Fiber Optic Connectors: LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, and ST/UPC.

## Performance Specifications:

| Parameter | | 1 x N PLC Splitter; 2 x N PLC Splitter | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | | 1x2 | 1x4 | 1x8 | 1x16 | 1x32 | 1x64 | 1x128 |
| | | 2x2 | 2x4 | 2x8 | 2x16 | 2x32 | 2x64 | 2x128 |
| Operating Wavelength(mm) | | 1260~1650 | | | | | | |
| Fiber Type | | G657A1 or Customized | | | | | | |
| Insertion Loss (dB) (P/S Grade) | 1 x N | 3.8/4.0 | 7.2/7. | 10.3/10 | 13.5/13.7 | 16.5/16.9 | 20.5/21.0 | 23.8/24.2 |
| | 2 x N | 3.9/4.2 | 7.3/7. | 10.5/11 | 14.4/14.6 | 17.4/17.9 | 21.0/21.5 | 24.5/25.0 |
| Loss Uniformity (dB) | | < 0.4 | < 0.6 | < 0.8 | < 1.0 | < 1.5 | < 2.0 | < 2.5 |
| PDL(dB) | | < 0.2 | < 0.2 | < 0.2 | < 0.3 | < 0.3 | < 0.4 | < 0.4 |
| Return Loss (dB) | | > 55 | > 55 | > 55 | > 55 | > 55 | > 55 | > 55 |
| Directivity ( dB) | | > 55 | > 55 | > 55 | > 55 | > 55 | > 55 | > 55 |
| Wavelength Dependent Loss (dB) | | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 1.0 | < 1.0 | < 1.0 |
| Fiber Length (m) | | 1m or Customized | | | | | | |
| Temperature Stability(- 20~+80°C) | | < 0.5 | | | | | | |
| Operating Temperature (°C) | | - 20~+80 | | | | | | |
| Storage Temperature (°C) | | - 40~+80 | | | | | | |
| Maximum Power Handing(mW) | | 500.0 | | | | | | |

Notice：Above specifications are for devices without connector. Add an additional 0.2dB loss per connector.

## Important Alternative Information

| A | B | D | F | F |
|---|---|---|---|---|
| Port | Package | Fiber | Fiber Length | Connector |
| 0102 = 1x2<br>0104 = 1x4<br>0108 = 1x8<br>0116 = 1x16<br>0132 = 1x32<br>0164 = 1x64<br>1128 = 1x128<br>0202 = 2x2<br>0204 = 2x4<br>0208= 2x8<br>0216 = 2x16<br>0232=2x32<br>0264 = 2x64<br>2128 = 2x128 | 1=Bare<br>2=Blockless<br>3=ABS Box Module<br>4=Insert Box<br>5=Pallet Type<br>6=Rackmount<br>Z=Customized | 0=250 um<br>1=900 um<br>2=2.0mm<br>3=3.0mm | 0=0.5m<br>1=1.0m<br>2=1.5m<br>3=2.0m<br>4=3.0m<br>5=4.0m<br>Z=Customized | 0=None<br>1=FC/APC<br>2=FC/UPC<br>3=SC/APC<br>4=SC/UPC<br>5=LC/APC<br>6=LC/UPC<br>7=ST<br>Z=Customized |