



- UFH8302
- UFH8304
- UFH8308
- UFH8316
- UFH8332
- UFH8364

LINK AMERICAN CABLING

Scope of Application

Planar Lightwave Circuits (PLC) Optical Splitter are fully passive optical branching devices that exhibit very low insertion loss and PDL, great channel uniformity and a wide wavelength operative range. There splitter are manufactured and tested to Telcordia-1209-core & GR-1221-core. Blockless PLC Splitter is the high quality passive device. It is especially for passive internet (EPON, BPON, and GPON), and different package can follow client's different inquiry.

Picture



Features

- Low insertion loss
- Low excess loss
- Low PDL
- High directivity
- Long haul reliability
- Customer defined specifications

Application

- Telecommunications
- Fiber in the loop
- Local area network
- FTTH, CATV, PON Network
- Fiber optic sensing
- Test instruments





## SPECIFICATIONS

Operating Wavelength (nm)	1260 ~ 1650					
1×N PLC Splitter	1×2	1×4	1×8	1×16	1×32	1×64
Max. Insertion Loss (dB)	3.9	7.2	10.3	13.5	16.8	20.3
Max. Uniformity (dB)	0.6	0.8	1.0	1.4	1.6	2.0
Min. Return Loss (dB)	55					
Max. PDL (dB)	0.2	0.3	0.3	0.3	0.3	0.5

## UFH81XX

### Blockless PLC Splitter SC/APC

Input fiber color	Yellow with marker
	2.0mm
Output fiber color	Yellow with marker 1-X
	2.0mm
Fiber Type	ITU-T G.657A1, G.657A2
Max. Temperature Stability (dB)	0.5
Typ. Temperature Stability	0.3
Operation Temperature (°C)	-40~85
Storage Temperature (°C)	-40~85

### Remarks:

1. All measurements are made at room temperature, excluding connectors. 0.3dB will be added for pre-connectorized splitter.
2. The above specifications are checked based on both 1310nm and 1550nm.

## ORDER INFORMATION

Part Number	Descriptions	Connector Type	Optical Fiber Type	Jacket Dia.
UFH83XX	Module Type PLC Splitter	SC/APC	Single-mode	2.0mm