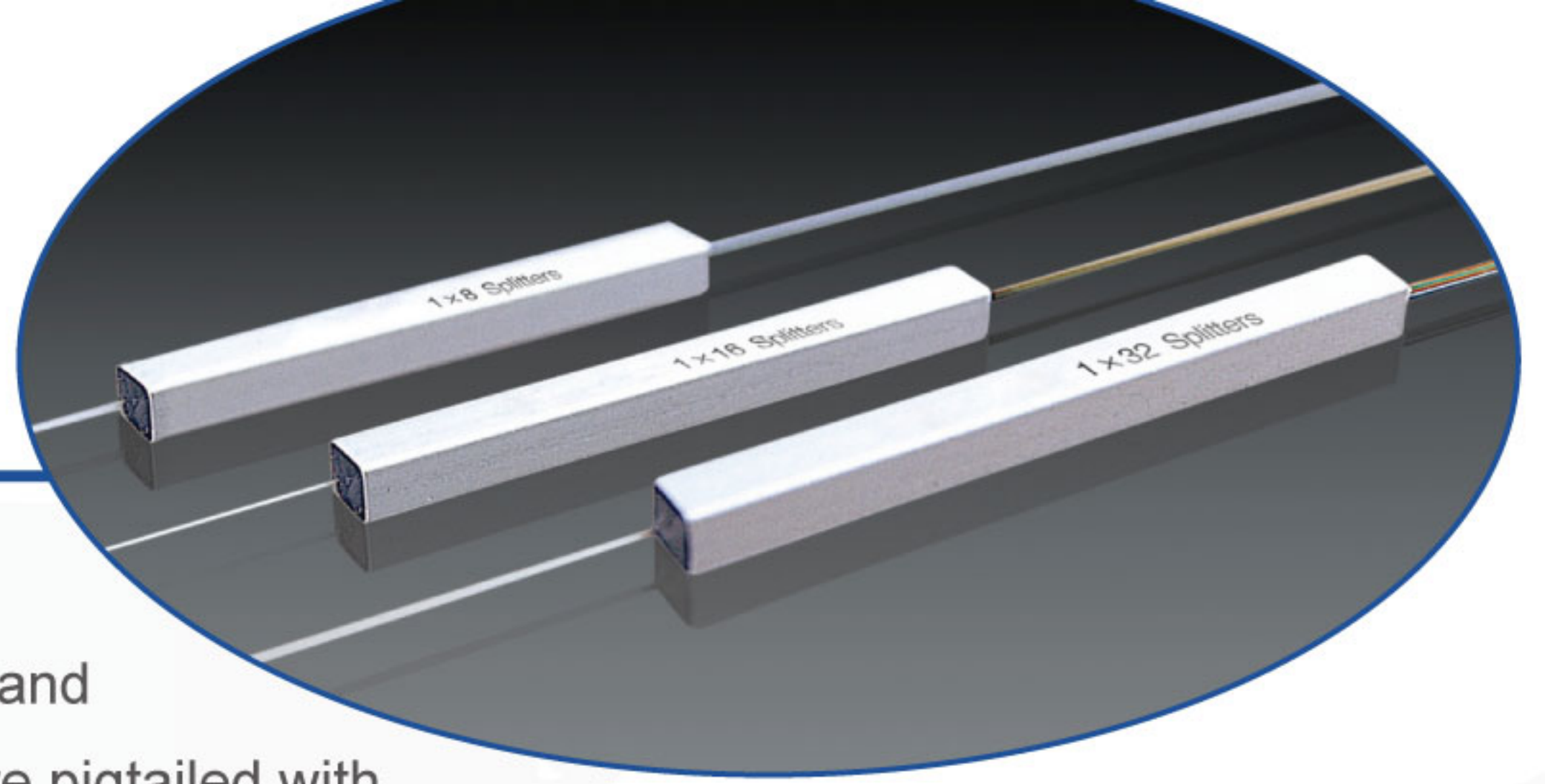


# Optical Splitters



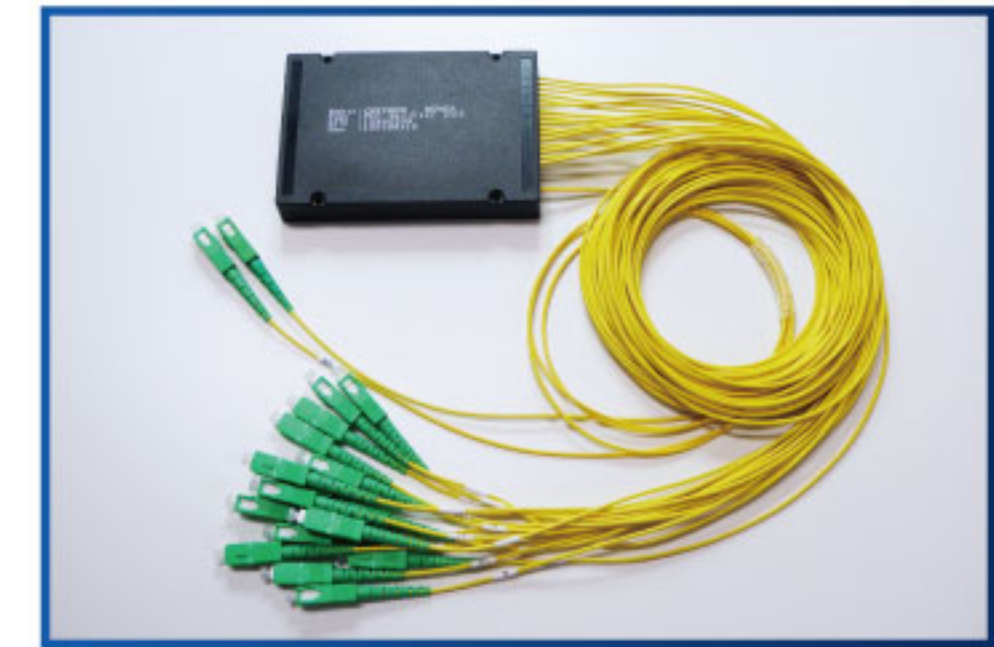
ILSINTECH's 1xN Planar Splitters have high performance with very low insertion loss, excellent uniformity, low PDL, and flat wavelength operation (1260~1650nm). The Splitters are pigtailed with single mode fibers and compact package. The Splitters are available in 4, 8, 16 and 32 channel configuration, with connector type open to customer specifications.

## Key Features

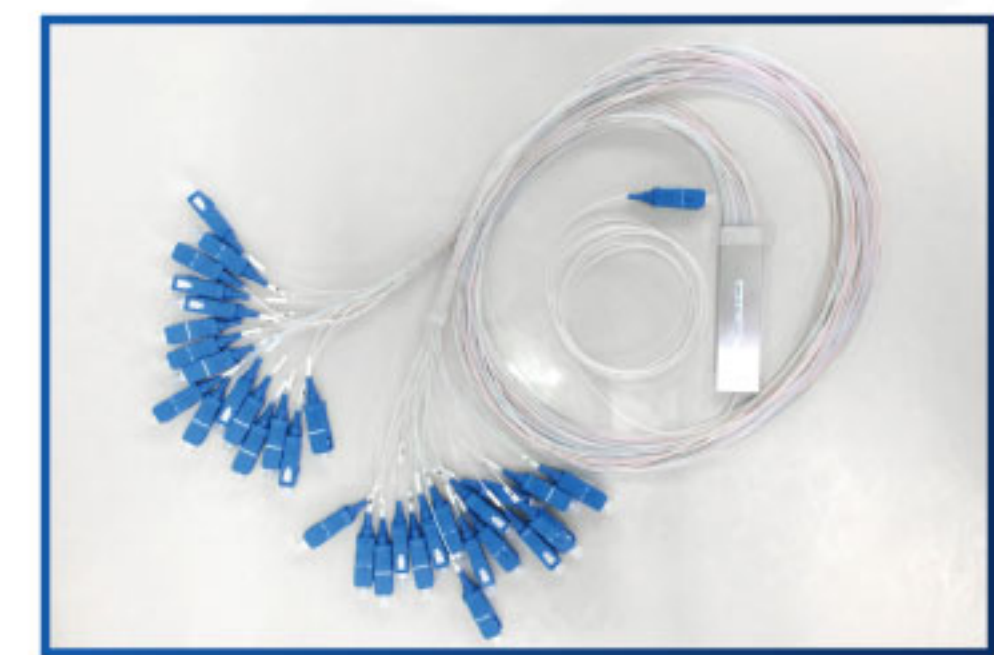
- Very low insertion loss
- Broadband operation
- Low PDL
- Excellent Uniformity
- Compact Package

## Applications

- FTTx-PON
- CATV
- Low cost combiner for CWDM



ABS type



SUS type

## Specification

Parameters	Unit	1x4	1x8	1x16	1x32	1x64
Type. Insertion Loss*	nm	6.8	9.8	13.0	16.5	19.8
Max. Insertion Loss*	dB	7.3	10.3	13.5	16.8	20.2
Uniformity	dB	≤0.5	≤1.0	≤1.3	≤1.5	≤1.9
PDL	dB	≤0.2	≤0.25	≤0.25	≤0.30	≤0.30
Directivity*	dB			≥55		
Return Loss*	dB			≥55		
Operating Wavelength**	nm	1260 ~ 1650				
Fiber Type		SMF-28e (or equivalent)				
Storage Temperature	°C	-40 ~ +85				
Operating Temperature	°C	-40 ~ +85				
Package Dimension(LxWxH)	mm	40x4x4	40x4x4	50x5x4	50x7x4	60x12x4

\* Without Connector

\*\* For Wavelength range 1600~1650nm, add Insertion Loss 0.5dB for 1x4, 1x8, 1x16 Splitter, 1.0dB for 1x32 Splitter.

\*\*\* User spec. available

Parameters	Unit	2x2	2x4	2x8	2x16	2x32
Type. Insertion Loss*	nm	4.5	7.8	11.0	14.5	17.8
Uniformity	dB	≤0.7	≤1.0	≤1.2	≤1.5	≤1.8
PDL	dB	≤0.15	≤0.3	≤0.3	≤0.3	≤0.3
Directivity*	dB			≥55		
Return Loss*	dB			≥55		
Operating Wavelength**	nm	1260 ~ 1650				
Fiber Type	nm	ITU-T G.657A				
Storage Temperature	°C	-40 ~ +85				
Operating Temperature	°C	-40 ~ +85				
Package Dimension(LxWxH)	mm	40x4x4	50x5x4	50x5x4	50x5x4	55x7x4

\* Without Connector

\*\* User spec. available