

PLC Splitter

FEATURES

- High Reliability
- Low Insertion Loss
- High Channel Counts
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- FTTx System
- LAN, WAN Networks
- Metro Networks
- Analog/Digital PON
- CATV Networks



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
<i>Configuration</i>		<i>Input Fiber</i>	<i>Output Fiber</i>	<i>Fiber Length</i>		<i>Input Connector</i>		<i>Output Connector</i>
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

