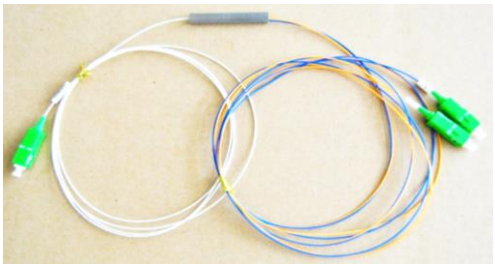
PLC Splitter (Tube Type)



Features

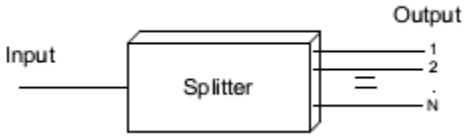
1. Low Insertion Loss and high uniform
2. Low polarization relevant
3. Redundant reliability

Applications

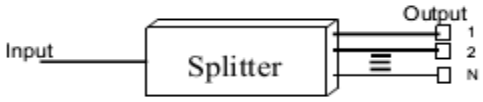
FTTx Systems
CATV network
Passive Optical Network (PON)

Compliance Discordia GR-1221-CORE, Discordia GR-1209-CORE

Type		1 x 2	1 x 4	1 x 8	1 x 16	1 x 32	1 x 64
Operating wavelength (nm)		1260 - 1650					
Insertion loss (dB) 1.2	Typical Value	≤4.0	≤7.2		≤10.5	≤13.5	≤16.5	≤19.5
	Maximum value	≤4.0	≤7.2		≤10.8	≤14.0	≤17.0	≤21.0
Loss uniformity (dB) 1.2	Maximum value	0.5	0.6		0.8	1.2	1.7	2.5
Polarization dependent loss (dB) 1.2	Maximum value	≤0.2					
Wavelength dependent loss (dB) 1.2	Maximum value	≤0.2					
Return loss (dB) 1, 3	Minimum value	≥ 60 dB					
Directivity (dB) 1,3	Minimum value	≥ 60 dB					
Operating temperature (°C)		- 40 to 85					
Storage temperature (°C)		- 40 to 85					
Optical fiber type		SMF 28e or the customer require					
Optical fiber length (m)		1.2					



Type A1 Splitter



Type A2 Splitter

Fiber No.								Fiber Identification
1	9	17	25	33	41	49	57	Blue
2	10	18	26	34	42	50	58	Orange
3	11	19	27	35	43	51	59	Green
4	12	20	28	36	44	52	60	Brown
5	13	21	29	37	45	53	61	Slate
6	14	22	30	38	46	54	62	White
7	15	23	31	39	47	55	63	Red
8	16	24	32	40	48	56	64	Black

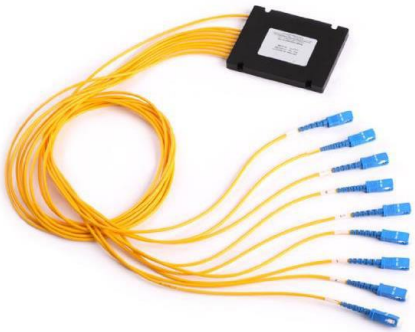
SS Tube Dimensions

PLC type	**1 x 2**	**1 x 4**	**2 x 4**	**1 x 8**	**2 x 8**	**1 x 16**	**2 x 16**	**1 x 32**	**1 x 64**
SS tube 1 (mm)	4x 4 x 40	4x4x40	4x4x55	4x4x 40	4x4x55	4x7x 50	4x7x60	4x7x50	4x12x60
SS tube 2 (mm)	4 x 12 x 60				6 x 20 x 80				

PLC Splitters

Features	Application
Low PDL	Optical Fiber Communication System
Low Excess Loss	Optical Fiber Access Network
Good Directivity	CATV
Good Environmental Stability	Test Equipment
Standard/Flattened/Broadband/Star/Tree	Optical Amplifiers
	Monitoring System
	Optical Fiber Sensor

Specifications (Boxes Type)



Splitter Ratio	Insertion Loss (dB)	Uniformity (dB)	Return Loss (dB)	Polarization Dependent Loss (dB)	Directivity (dB)
1:2	≤ 4.0	≤ 0.6	≥ 55	≤ 0.2	≥ 55
1:4	≤ 7.2	≤ 0.6	≥ 55	≤ 0.2	≥ 55
1:8	≤ 10.5	≤ 1.0	≥ 55	≤ 0.2	≥ 55
1:16	≤ 13.8	≤ 1.2	≥ 55	≤ 0.2	≥ 55
1:32	≤ 17.0	≤ 1.7	≥ 55	≤ 0.2	≥ 55
:64	≤ 20.5	≤ 2.0	≥ 55	≤ 0.3	≥ 55
2:2	≤ 4.2	≤ 0.8	≥ 55	≤ 0.3	≥ 55
2:4	≤ 7.5	≤ 1.2	≥ 55	≤ 0.3	≥ 55
2:8	≤ 11.0	≤ 1.6	≥ 55	≤ 0.4	≥ 55
2:16	≤ 14.3	≤ 1.6	≥ 55	≤ 0.4	≥ 55
2:32	≤ 17.5	≤ 2.0	≥ 55	≤ 0.4	≥ 55
2:64	≤ 21.0	≤ 2.5	≥ 55	≤ 0.4	≥ 55

Specifications (Type B)

Splitter Ratio	Insertion Loss (dB)	Uniformity (dB)	Return Loss (dB)	Polarization Dependent Loss (dB)	Directivity (dB)
1:2	≤ 4.4	≤ 0.6	≥ 60	≤ 0.2	≥ 60
1:4	≤ 7.5	≤ 0.6	≥ 60	≤ 0.2	≥ 60
1:8	≤ 11.0	≤ 1.0	≥ 60	≤ 0.2	≥ 60
1:16	≤ 14.4	≤ 1.2	≥ 60	≤ 0.2	≥ 60
1:32	≤ 17.5	≤ 1.7	≥ 60	≤ 0.2	≥ 60
1:64	≤ 20.7	≤ 2.0	≥ 60	≤ 0.3	≥ 60
2:2	≤ 4.6	≤ 0.8	≥ 60	≤ 0.3	≥ 60
2:4	≤ 7.9	≤ 1.2	≥ 60	≤ 0.3	≥ 60
2:8	≤ 12.5	≤ 1.6	≥ 60	≤ 0.4	≥ 60
2:16	≤ 15.0	≤ 1.6	≥ 60	≤ 0.4	≥ 60
2:32	≤ 17.8	≤ 2.0	≥ 60	≤ 0.4	≥ 60
2:64	≤ 21.5	≤ 2.5	≥ 60	≤ 0.4	≥ 60