

Bare fiber PLC Splitter



PLC splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTX point to connect between termination device and central office to achieve the signal splitter.

OMC 's bare fiber PLC splitter family has 1x2, 1x4, 1x8, 1x16, 1x32, 1x64, 2x2, 2x4, 2x8, 2x16, 2x32, 2 x 64 PLC splitter, with specifications that are tailored for different applications and markets. Wide bandwidth,

compact size. All products meets ,ROHS,GR-1209-CORE-2001 and GR-1221-CORE-1999.

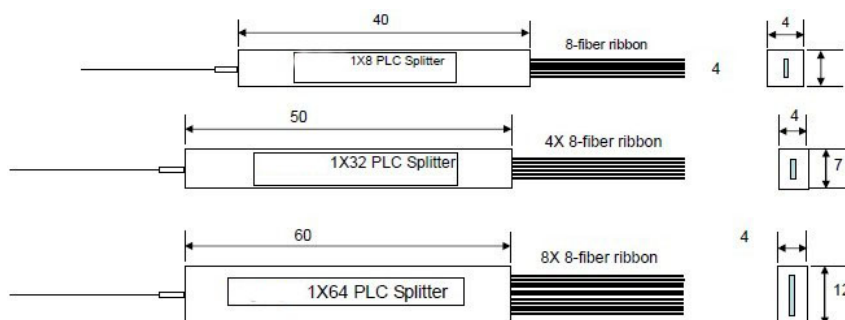
Specification (with no connector)

Model	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32	2 x64
Wavelength(nm)	1260-1650											
IL(Typical dB)	3.6	6.8	10.0	13.0	16.0	19.5	4.0	7.0	10.5	13.5	16.5	20.5
IL(Max dB)	3.8	7.1	10.2	13.5	16.5	20.5	4.0	7.6	11.0	14.5	17.5	21.5
Uniformity(Typical dB)	0.3	0.5	0.6	1.0	1.2	1.5	0.4	0.8	1.0	1.2	1.8	2.0
Uniformity(Max dB)	0.4	0.6	0.8	1.2	1.5	2.0	0.6	1.0	1.2	1.5	2.0	2.2
PDL (Typical dB)	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.3	0.3
PDL (Max dB)	0.2	0.2	0.2	0.25	0.3	0.35	0.2	0.2	0.3	0.3	0.4	0.4
RL(Typical dB)	55(50)											
Direction(dB)	55											
Fiber length(m)	1.0+/-0.1 or Customer specified											
Fiber Type	ITU G652D/G657A or customer specified											
Wavelength dependent loss(Typical dB)	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.15	0.2	0.2	0.2	0.2
Wavelength dependent loss(Max dB)	0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.4	0.5	0.5	0.5	0.5
Temperature stability(Typical dB)	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4
Temperature stability(Max dB)	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5
Operating and storage temperature (°C)	-40~+85											

*Add an additional 0.15dB loss per connector.

Dimension

Model	1x2/2x2/1x4/1x8	2x4/2x8/1x16	2x16/1x32	2x2/2x8/1x16	2x32	2x64/1x64
LxWxH(mm)	40*4*4	50*4*4	50*7*4	50*4*4	60*7*4	60*12*4



FO CABLE

Connector

FO Adapter

cable assemblies

PLC splitter

ODN products

Fast Splice products