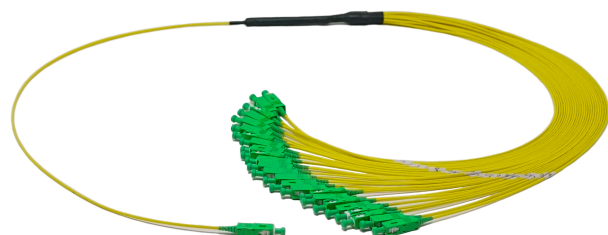


Fiber Optic Splitters

Fiber optic splitters are essential for efficiently distributing optical signals and play a critical role in modern fiber optic communication networks. They are designed to minimize signal loss, maintain signal quality, and provide reliable and cost-effective solutions for various applications.

The primary function of splitters is to distribute optical signals from a single source, such as an optical line terminal in a passive optical network (PON), to multiple end-users or subscribers. This is a crucial component in many fiber-to-the-home (FTTH) and fiber-to-the-premises (FTTP) installations, allowing a single fiber connection to serve multiple customers.



Features

- For FTTH, FTTP, and PON applications
- PLC Splitters: 1x2, 1x4, 1x8, 1x16, 1x32, and 1x64
- SC and LC UPC and APC polish
- Jacket OD: 250um, 900um, 2mm, or 3mm armor
- Telcordia DR-1221 Compliant
- Indoor/Outdoor
- Low insertion loss
- 40" or 60" legs

PLC Splitters												
Parameter	1x2	1x3	1x4	1x6	1x8	1x12	1x16	1x24	1x32	1x48	1x64	1x128
Working Wavelength (nm)	1260-1650											
Fiber Type	G657A1 or Customized											
Insertion Loss (dB)	3.9	6.1	7.2	9	10.2	12.5	13.5	15.5	16.8	18.4	20.1	23.8
Uniformity (dB)	≤0.4	≤0.5	≤0.5	≤0.6	≤0.8	≤1.0	≤1.0	≤1.5	≤1.5	≤1.8	≤1.8	≤2.5
Polarization Dependent Loss (dB)	≤0.25	≤0.25	≤0.25	≤0.25	≤0.25	≤0.3	≤0.3	≤0.3	≤0.3	≤0.4	≤0.35	≤0.35
Return Loss (dB)	≥55											
Directionality (dB)	≥55											
Fiber Length (m)	1.0 or Customized											
Temperature Stability (dB)	-40°C to -85°C (≤0.5)											
Working Temperature °C	-40°C to -85°C											
Storage Temperature °C	-40°C to -85°C											
Maximum Power (nW)	1,000											



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