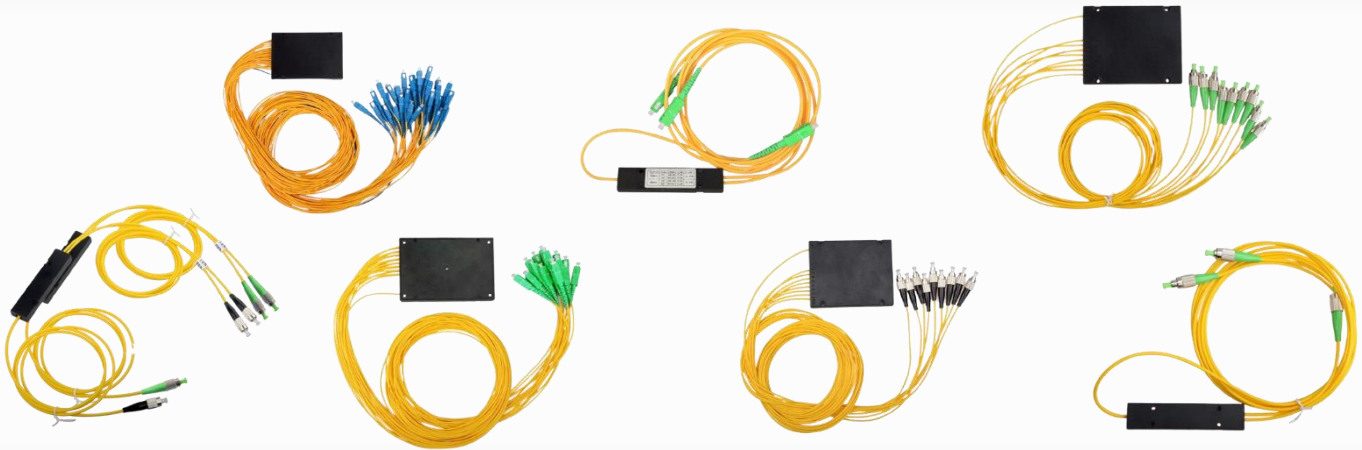


ABS Box type Splitter



Description

The ABS Box Type PLC Splitter is a compact and reliable passive optical device used to distribute an optical signal from one input fiber into multiple output fibers with uniform splitting. Housed in a durable ABS plastic enclosure, it provides excellent mechanical protection and stable optical performance. Available with SC or FC connectors and UPC or APC polish, these splitters are designed for FTTH, FTTB, and PON networks, supporting various split ratios such as 1:2, 1:4, 1:8, 1:16, and 1:32.

Features

- High-quality PLC splitting technology for uniform optical power distribution
- Low insertion loss and excellent channel-to-channel uniformity
- ABS box enclosure provides strong mechanical protection and long service life
- Compact and lightweight design for easy installation
- SC / FC connectors available with UPC or APC polishing
- Wide operating wavelength range (typically 1260-1650 nm)
- High return loss, especially for APC connectors
- Stable performance under temperature and environmental changes
- Factory tested for reliability and optical accuracy
- Suitable for indoor and outdoor fiber distribution systems

ABS Box type Splitter

Applications

- FTTH (Fiber to the Home) networks
- FTTB / FTTC (Fiber to the Building / Curb)
- GPON, EPON, XPON optical access networks
- Optical distribution frames (ODF)
- Fiber termination boxes and cabinets
- CATV and telecom networks
- Data center fiber signal distribution

Specifications

Characteristics	Conditions
Return Loss Min. (dB)	50
Operating Temperature (°C)	-40 ~ +85
Directivity Min. (dB)	≥ 55
Storage Temperature (°C)	-40 ~ +85
Operating Wavelength (μm)	1260 ~ 1650
Pigtail length (m)	1

ABS Box type Splitter

Ordering information

Product Name	Model Name
ABS SC/UPC 1:32 ABS Box type Splitter	IK-FOP-SC-UPC-L
ABS SC/UPC 1:16 ABS Box type Splitter	IK-FOP-SC-UPC-M
ABS SC/UPC 1:8 ABS Box type Splitter	IK-FOP-SC-UPC-N
ABS SC/UPC 1:4 ABS Box type Splitter	IK-FOP-SC-UPC-O
ABS SC/UPC 1:2 ABS Box type Splitter	IK-FOP-SC-UPC-P
ABS SC/APC 1:16 ABS Box type Splitter	IK-FOP-SC-APC-I
ABS SC/APC 1:8 ABS Box type Splitter	IK-FOP-SC-APC-J
ABS SC/APC 1:4 ABS Box type Splitter	IK-FOP-SC-APC-K
ABS SC/APC 1:2 ABS Box type Splitter	IK-FOP-SC-APC-L
ABS FC/UPC 1:16 ABS Box type Splitter	IK-FOP-FC-UPC-A
ABS FC/UPC 1:8 ABS Box type Splitter	IK-FOP-FC-UPC-B
ABS FC/UPC 1:4 ABS Box type Splitter	IK-FOP-FC-UPC-C
ABS FC/UPC 1:2 ABS Box type Splitter	IK-FOP-FC-UPC-D
ABS FC/APC 1:16 ABS Box type Splitter	IK-FOP-FC-APC-C
ABS FC/APC 1:8 ABS Box type Splitter	IK-FOP-FC-APC-D
ABS FC/APC 1:4 ABS Box type Splitter	IK-FOP-FC-APC-E
ABS FC/APC 1:2 ABS Box type Splitter	IK-FOP-FC-APC-F
FBT FC/APC 1:2 ABS Box Splitter	IK-FOP-FC-APC-A
FBT SC/APC 1:2 ABS Box type Splitter	IK-FOP-SC-APC-B

- FOP: Fiber Optic Splitters & Pigtailes
- FC/SC - APC/UPC: Connector Type