

1xN SM Coupler

Features

- ◇ Different combinations of coupling ratio
- ◇ Low crosstalk & excess loss
- ◇ High optical return loss
- ◇ Available in dual wavelength operation
- ◇ Optional connectors termination upon request
- ◇ Available in 250um & 900um fiber, 2mm or 3mm



jacket optical cable

Description

YOUXIN offers both tree and star type inline couplers/splitters. They provide a reliable solution to split/combine signals. The splitting ratio ranges from 1x2 to 1x32 ports for tree couplers, and from 2x2 up to 8x8 for star couplers. Single and dual wavelength windows are available.

Parameter

| Item | Specification | | | | | | | | |
|------------------------|---|------|-------|----------------------|------|-------|----------------|------|-------|
| | Standard | | | Wavelength Flattened | | | Broadband | | |
| Center wavelength | 1310 or 1550 nm | | | 1310 or 1550 nm | | | 1310 & 1550 nm | | |
| Bandwidth | ±20 nm | | | ±40 nm | | | ±40 nm | | |
| Star structure | 4x4 | 8x8 | 16x16 | 4x4 | 8x8 | 16x16 | 4x4 | 8x8 | 16x16 |
| Tree structure | 1x4 | 1x8 | 1x16 | 1x4 | 1x8 | 1x16 | 1x4 | 1x8 | 1x16 |
| Typical insertion loss | 6.3 | 9.4 | 12.6 | 6.3 | 9.4 | 12.6 | 6.3 | 9.4 | 12.6 |
| Max. insertion loss | 7.1 | 10.6 | 14.3 | 7.6 | 11.5 | 14.5 | 7.7 | 11.7 | 15.5 |
| Uniformity | 0.7 | 1.0 | 1.3 | 1.5 | 2.2 | 3.0 | 1.9 | 2.8 | 3.7 |
| Connector | FC/APC or SC/APC, others for client specify | | | | | | | | |
| Directivity | >60 dB | | | | | | | | |
| Operation temperature | -40 ~ +75°C | | | | | | | | |
| Storage temperature | -40 ~ +85°C | | | | | | | | |
| Dimension | 90 x20x10mm plastic box 19inch, 1U | | | | | | | | |

Applications

- ◇ FTTH, LAN, PON & Optical CATV
- ◇ Local ring net



www.youfibercable.com

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- ◇ Optical fiber communication system
- ◇ Optical fiber test equipment
- ◇ Optical fiber sensor