

**Purpose:**

Coupler Module: to combine optical power from three or more inputs.

Splitter Module: to divide optical power to three or more outputs.

**Conceptual Usage:**

Couplers are typically used where an aggregate of optical power is required.

Splitters applications are more common, typically used for video distribution or for data network monitoring. One or two inputs is/are divided and sent to several destinations (e.g. neighborhoods for CATV). Alternatively, a low-power signal sample is “read-out” with minimal impact, to the link.

**Standard Package Configurations: (module dimensions)**

<b>Module</b>	<b>Box</b>	<b>Faceplate</b>
LGX/Lucent-compatible *	3.97”H x 1.12”W x 4.98”D	5.06”H x 1.12”W
Siecor/Corning-compatible	4.62”H x 1.37”W x 6.00”D	6.00”H x 1.37”W
ADC-compatible *	7.12”H x 1.06”W x 6.06”D	8.62”H x 0.91”W
19/23-inch Rack Mount	1.72”H x 17.0”W x 5.94”D	1.72”H x 17.0”W

\* Note: single-wide modules are shown; double and triple-wide modules are available.

**Options:**

- Number of ports (capacity varies according to module packaging)
- Per port Split-Ratios (e.g. “even” splits or “different” splits)

**Features:**

- Coupler/Splitter components comply with Telcordia GR-1209
- Connectors comply with Telcordia GR-326
- Fiber Connectors: SC, ST, FC, LC, MT-RJ
- Polish Type: UPC or APC (as applicable)

**Specifications:**

- For device specifications (e.g. bandwidth, directivity, temperature ranges) reference Fiberdyne's online documents.
- For “Part Number Build” matrices, reference online documents; enter part number in table, on Page 2.
- Insertion Loss data are shown on Page 2.

*Note:* Page 2 data is entered by Fiberdyne personnel for custom orders.

Specifications: (continued)

<i>Description</i>	<i>Enter/Select appropriate value</i>
Fiberdyne Part Number	<b>F</b>
Fiber Type	Single-mode / Multimode
Wavelength Range	Single-window / Dual-Window
Center Wavelength(s) - nm	850 / 1310 / 1550
Quality Grade	Exact / Ultra / Premium / Standard
Other Unique Features (e.g. "Laser" for Laser MM)	

<i>Port #</i>	<i>Port Split Percentage (%) *</i>	<i>Max Insertion Loss (dB) **</i>
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

Notes:  
 \* If even splits, then Port Split Percentage is "EVEN."  
 \*\* Insertion Loss values do not include connector losses.