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Find the *Newport F-CPI-M12855* at our website: ***Click HERE***

Fiber Optic Couplers, Multimode



- 1x2, 2x2, 1x4, 1x8 and 1x16 fused fiber optic couplers
- Low optical loss
- Environmentally stable
- Termination option available

Product Description

Newport's Fiber Optic Coupler family has been developed using fused fiber technology. We employ advanced manufacturing methods and extensive environmental testing to ensure that they are suitable for applications in telecommunications, CATV, aerospace, defense, and R&D.
The multimode fiber optic couplers allow bi-directional coupling and can be used to either split or combine signals. They are available in 62.5/125 µm fiber, with low insertion loss and a broad operating wavelength range from 800 to 1600 nm. The 1x2 and 2x2 couplers are offered in both 50/50 (3 dB) and 10/90 coupling ratios. 1x4, 1x8 and 1x16 port configurations are also available.
All the fiber optic couplers feature a fully ruggedized black plastic housing with 1 m long, 3 mm PVC covered pigtails, unterminated. For termination options, refer to Ordering Information.
For single mode fiber optic couplers, see Fiber Couplers and Wavelength Division Multiplexers, Singlemode.

Specifications and Ordering Information

1x2 and 2x2 50/50 (3 dB) Multimode Fiber Optic Couplers (62.5/125 µm fiber)

(bare fiber ends, see below for termination options)

Quantity	Model	Type (1)	Option Code(2)	Package Type	Operating Wavelength (nm)	Excess Loss, Maximum (dB)	Insertion Loss, Typical (dB)	Uniformity (dB)	Return Loss (dB)	Price
	F-CPL-M12855	1x2 MM	86	B	850	0.7	3.9	0.5	40	$77.00
	F-CPL-M12135	1x2 MM	87	B	1310	0.7	3.9	0.5	40	$77.00
	F-CPL-M22855	2x2 MM	88	B	850	0.7	3.9	0.5	40	$82.00

1x2 and 2x2 10/90 Multimode Fiber Optic Couplers (62.5/125 µm fiber)

(bare fiber ends, see below for termination options)

Quantity	Model	Type (1)	Option Code(2)	Package Type	Operating Wavelength (nm)	Excess Loss, Maximum (dB)	Insertion Loss (dB)	Return Loss (dB)	Price
	F-CPL-M12851	1x2 MM	90	B	850	0.7	11.3/1.1	40	$77.00
	F-CPL-M12131	1x2 MM	91	B	1310	0.7	11.3/1.1	40	$77.00

1x4, 1x8 and 1x16 Multimode Fiber Optic Couplers (62.5/125 µm fiber)

(bare fiber ends, see below for termination options)

Quantity	Model	Type (1)	Option Code(2)	Package Type	Operating Wavelength (nm)	Insertion Loss, Typical (dB)	Uniformity (dB)	Price
	F-CPL-M14850	1x4 MM	94	C	850	7.5	0.7	$199.00

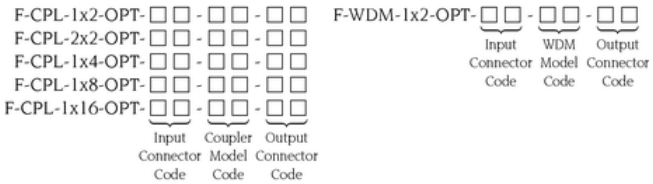
	F-CPL-M14130	1x4 MM	95	C	1310	7.5	0.7	$199.00
	F-CPL-M18850	1x8 MM	96	D	850	11.5	1.3	$425.00
	F-CPL-M18130	1x8 MM	97	D	1310	11.5	1.3	$425.00

1) SW—Single Wavelength, WF—Wavelength Flattened, BB—Broadband, MM—Multimode

2) Use only when ordering with fiber optic connectors

3) 970–990 nm for pump, 1535–1565 nm for signal

Fiber Optic Connector Options



Please use the following connector codes and the coupler and WDM codes, shown in the previous tables when ordering a specific configuration.

Connector Type	Connector Code
ST/SPC	30
FC/SPC	50
FC/APC	55
SC/SPC	70
SC/APC	75
No Connector	NN

Related Products



Fiber Optic Mating Adapter Sleeves

Founded in 1969, **Newport** is a pioneering single-source solutions provider of laser and photonics components to the leaders in scientific research, life and health sciences, microelectronics, industrial manufacturing, and homeland security markets.

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