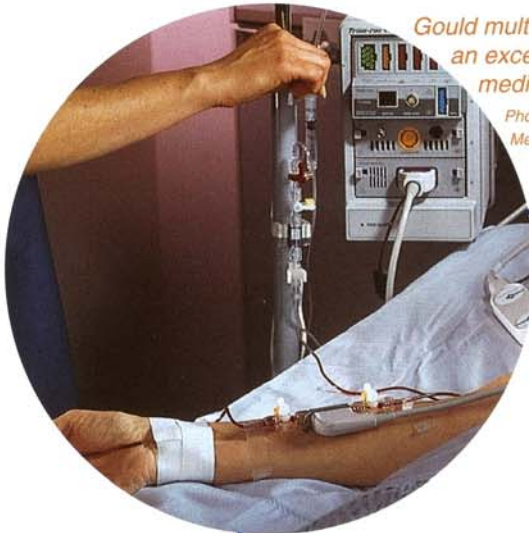


# Multimode & Large Core Couplers

## Multimode Fused Bidirectional Couplers

Capable of operating over a broad wavelength range (i.e. 850nm and 1300nm), Gould multimode fused couplers can be used within fiber optic instrumentation, sensor systems and local area networks. Additionally, Gould multimode and large core couplers are manufactured and tested under fully-filled launch conditions. An underfilled launch may alter coupling ratio.



*Gould multimode couplers are an excellent choice for medical sensors.*

*Photo courtesy of Marquette Medical Systems*

### 50/50 Multimode Coupler Specifications

	SERIES 2	SERIES 3
Insertion Loss	≤ 3.7dB	≤ 4.5dB
Directivity	≥ 40dB for 2x2	
Port Configuration	1x2 or 2x2	
Packaging	Comes in package style 11 and can be repackaged into 21, 25, 32 or modular boxes	

### Options:

**Fiber Types:** Graded Index 50/125, Corning 62.5/125, other fiber sizes and types are also available.

Product Number:

15 - \_\_\_\_\_ 00 - 50 - \_\_\_\_\_ 1

Series	Fiber types	Port configuration	Package style	Connector style
2 or 3	11 = 50/125 $\mu$ m 12 = 62.5/125 $\mu$ m 25 = 100/140 $\mu$ m (step index fiber)	1 = 1 X 2 2 = 2 X 2	11, 21, 25, or 32	0 = none see page 23

## Large Core Couplers

These devices deliver high coupled power levels and are insensitive to operating wavelengths. Large core couplers are excellent for sensor applications including: medical application laser delivery, harsh environments and industrial process control. A variety of fiber types are available from 200/230 $\mu$ m and larger. Call our sales engineers for details.