

Datasheet

FO2 & FO4 Connector (IP68)

Version: 11.05.2017

Manufacturer	Fischer Connectors SA	
Features	Protection class IP68 (to be plugged or to be locked with a dust protective cap)	
	Suitable for use in harsh environment	
	Available as duplex (FO2) or 4-fold connection (FO4)	
	Optional as hybrid version (FOH 2-2) with 2-fold FOC and 2-fold copper 1 mm ²	
Ferrules	Ø 1.25 mm, Zirconia, axial spring loaded	
Mating cycles	1,000	
Housing color	Black	
Cable diameter	3.5 to 9.5 mm	
Cable relief	≥ 1,500 N	
Temperature range	Operating temperature	-40°C to +85°C
Versions	Duplex, 4-fold / multimode	
	Duplex, 4-fold / singlemode	
	Duplex, 4-fold / singlemode APC 8°	



Fischer Connector FO4



Fischer Connector FO4 plugged



Fischer Connector FO4 Bulkhead

Bulkhead

Mounting method	Flange mounting Center mounting
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Multimode

Types of fiber	G62.5 / 125 µm (OM 1)
	G50 / 125 µm (OM 2, OM 3, OM 4)
Typical insertion loss (IL)	≤ 0.50 dB

Singlemode

Type of fiber	E9 / 125 µm (OS 2)
Typical insertion loss (IL)	≤ 0.20 dB
Return loss	≥ 50 dB

Singlemode APC 8°

Type of fiber	E9 / 125 µm (OS 2)
Typical insertion loss (IL)	≤ 0.20 dB
Return loss	≥ 70 dB

