

# DIAMOND Fiber Optic Components

## OAF-Patch

### CABLE ASSEMBLIES AND ADAPTERS

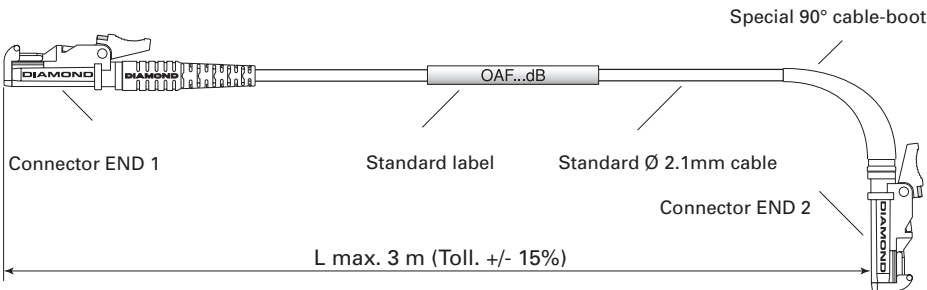
### SINGLE MODE PC/APC

The OAF-PATCH range of DIAMOND is a products-family of wavelength independent fixed attenuation-patchcords suitable for each connector system type. Offering a large choice of nominal attenuation (2 to 30 dB), the patchcord technology is the right one for applications in restricted places which need precise power level, simplifying cabling and allowing the right attenuation with all connector types. Typical applications include passive optical networks, test arrangements, measuring instruments, sensor technology.

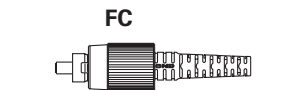
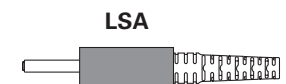
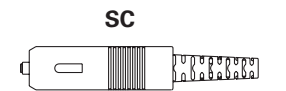
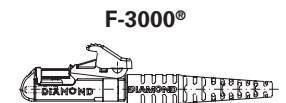


#### DESIGN

The patchcord design is based on 2 PC or APC Connectors or "Alberinos" and an attenuated fiber optic cable. Standard lengths are: 1, 2 or 3 meters.



- Available types:
- OAF-PATCH E-2000® PC or APC
  - OAF-PATCH F-3000® PC or APC
  - OAF-PATCH SC PC or APC
  - OAF-PATCH MU PC or APC
  - OAF-PATCH LSA PC or APC
  - OAF-PATCH FC PC or APC
  - OAF-PATCH Alberino PC or APC



#### SPECIFICATIONS

	SINGLE MODE 0° PC				SINGLE MODE 8° APC				UNITS	
Fiber	9/125								µm	
Wavelengths	1310/1550								nm	
Nominal attenuation	2	4	5	6	10	15	20	25	30	dB
Tolerance*	±0.5	±0.5	±0.5	±0.5	±1	±1.5	±2	±2.5	±2.5	dB
Repeatability	<0.5 over service life								dB	
Return Loss	>45				>70				dB	
Temperature range	-20/+60								°C	

\* Values measured using 1310 or 1550 nm LED source.  
The excess attenuation due to the 2 connections may be as high as 0.5 dB max.

NOTE Other attenuation values, patchcord lengths or connector types available upon request.

#### ORDER INFORMATION

Please contact your nearest local Diamond representative or fill in the contact form available on the [www.diamond-fo.com](http://www.diamond-fo.com) website.



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Specifications subject to change without notice

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