

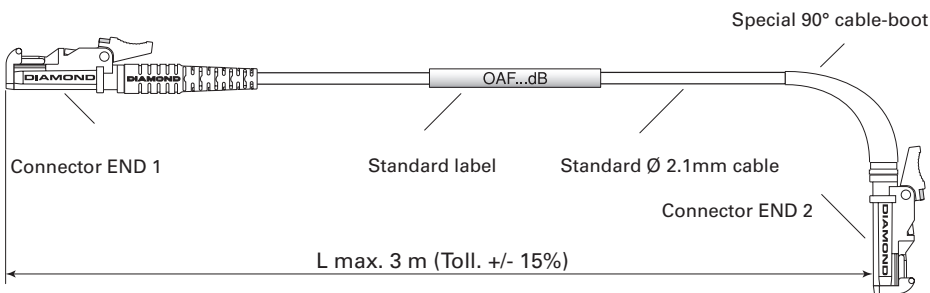
# DIAMOND Fiber Optic Components

## CABLE ASSEMBLIES AND ADAPTERS

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:

<b>OAF-PATCH E-2000™ PC</b>	or <b>APC</b>
<b>OAF-PATCH F-3000™ PC</b>	or <b>APC</b>
<b>OAF-PATCH SC PC</b>	or <b>APC</b>
<b>OAF-PATCH MU PC</b>	or <b>APC</b>
<b>OAF-PATCH LSA PC</b>	or <b>APC</b>
<b>OAF-PATCH FC PC</b>	or <b>APC</b>
<b>OAF-PATCH Alberino PC</b>	or <b>APC</b>

### 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

When ordering cable assemblies, please refer to the **connector type description** in the Available types section, and fill in the Simplex, Duplex, Multiple fiber Assemblies order form according to **those** denominations.

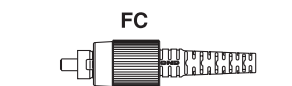
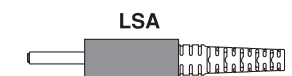
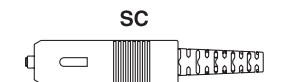


DIAMOND SA • Via dei Patrizi 5 • CH-6616 Losone  
Tel. +41 91 785 45 45 • Fax +41 91 785 45 00 • e-mail info@diamond-fo.com

[www.diamond-fo.com](http://www.diamond-fo.com)

## OAF-Patch

### SINGLE MODE PC/APC



Specifications subject to change without notice

BDD 1950126 036