

DIAMOND

Fiber Optic Components

**FIXED IN LINE
ATTENUATOR**

**SINGLE MODE
OAF-PATCH**

**TERMINATED
WITH CONNECTORS
OF YOUR CHOICE**

Specifications

	Single Mode					Single Mode 8° HRL					Unit
Fiber	9/125					9/125					μm
Wavelength	1310/1550					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

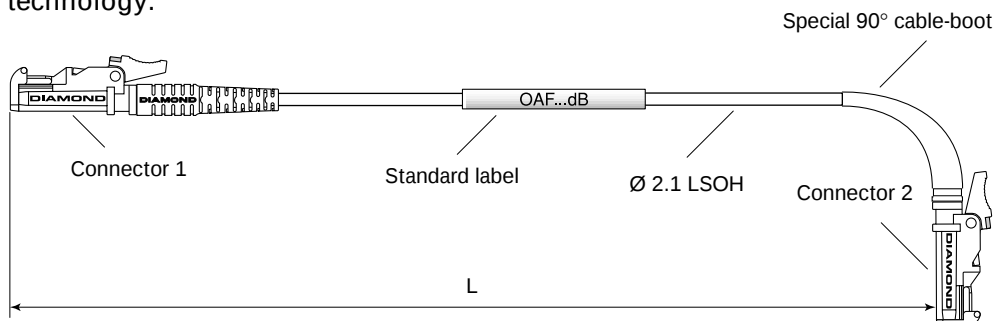
* Values measured using 1310 or 1550 nm LED source. Other attenuations on request.
The excess attenuation due to the 2 connections may be as high as 0.5 dB max.

Description

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.

Use

Passive optical networks, test arrangements, measuring instruments, sensor technology.



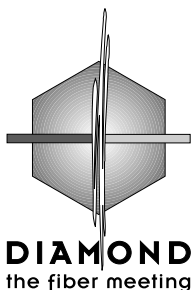
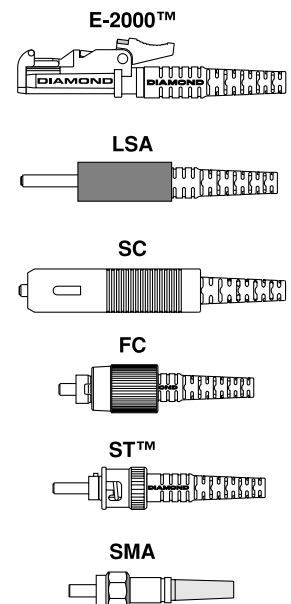
Design

The patchcord design is based on following components:

PC or APC Connectors (1 and 2):

E-2000™	or
LSA	or
SC	or
FC	or
ST™	or
SMA	

Cable LSOH Ø 2.1 mm available in three standard lengths: 1, 2 or 3 meters.



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*Specifications subject to change
without notice*

002-037-207P001060

ORDER INFORMATIONS (could be used as reply fax)

Standard

	PC 0°	APC 8°
E-2000™	☐ 300 - 300 A 0xx L 00y	☐ 302 - 302 A 0xx L 00y
LSA	☐ 104 - 104 A 0xx L 00y	☐ 117 - 117 A 0xx L 00y
SC	☐ 153 - 153 A 0xx L 00y	☐ 155 - 155 A 0xx L 00y
FC	☐ 179 - 179 A 0xx L 00y	☐ 181 - 181 A 0xx L 00y
ST	☐ 208 - 208 A 0xx L 00y	
SMA Ø 2,5	☐ 242 - 242 A 0xx L 00y	

ATTENUATION (xx)

- | | | |
|--------------------------------|--------------------------------|--------------------------------|
| ☐ 02 dB | ☐ 06 dB | ☐ 20 dB |
| ☐ 04 dB | ☐ 10 dB | ☐ 25 dB |
| ☐ 05 dB | ☐ 15 dB | ☐ 30 dB |

CABLE LENGTH (y)

- | | | |
|------------------------------|------------------------------|------------------------------|
| ☐ 1 m | ☐ 2 m | ☐ 3 m |
|------------------------------|------------------------------|------------------------------|

CABLE BOOT

- | | |
|-----------------------------------|-------------------------------------|
| ☐ standard | ☐ 90° angled |
|-----------------------------------|-------------------------------------|

Your address:

Special version

CONNECTOR 1

- | | | | |
|------------------------------------|--|-------------------------------------|---|
| ☐ E-2000™ | ☐ standard | color: _____
No.: _____ | ☐ PC
☐ APC |
| | ☐ color coding | | |
| | ☐ mechanical keying | | |
| ☐ LSA | ☐ FC | | |
| ☐ SC | ☐ ST | | |
| ☐ SMA Ø 2,5 | | | |
| CABLE BOOT: | ☐ standard | ☐ 90° angled | |

CONNECTOR 2

- | | | | |
|------------------------------------|--|-------------------------------------|---|
| ☐ E-2000™ | ☐ standard | color: _____
No.: _____ | ☐ PC
☐ APC |
| | ☐ color coding | | |
| | ☐ mechanical keying | | |
| ☐ LSA | ☐ FC | | |
| ☐ SC | ☐ ST | | |
| ☐ SMA Ø 2,5 | | | |
| CABLE BOOT: | ☐ standard | ☐ 90° angled | |

ATTENUATION

- ☐ A: _____ [dB]

CABLE LENGTH (Max 6 m/Tolerance: ± 15%)

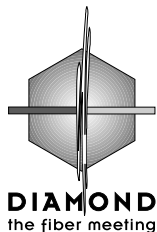
- ☐ L : _____ [m]

Notes:

Order

Product. Nr. _____ Quantity (pcs.) _____ Delivery-date _____

PLEASE REPLY TO :



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