

## Beveled optical fiber

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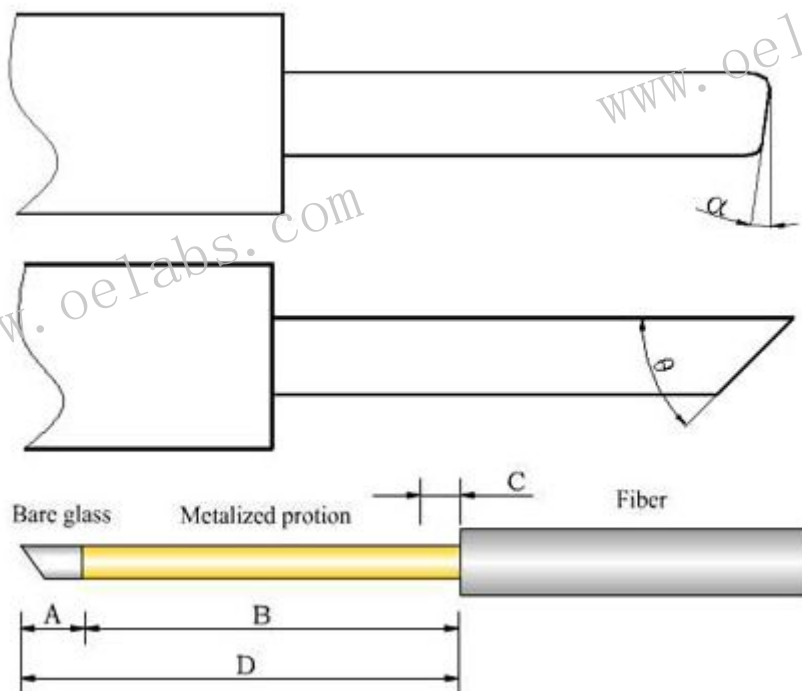
### ➤ Usage

It is used for the coupling of high-speed receiver device and the coupling of the laser to the fiber side face.

### ➤ Features

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### ➤ Outline schematic diagram



➤ **Product parameters**

Fiber mode	Single-mode / multimode fiber Special fiber required/provided by customers
Bevel angle $\alpha$	$\alpha=37/45\pm 1^\circ$ (standard) or customer requirements ( $30\sim 50^\circ$ ) $\pm 1^\circ$
A Naked fiber length at the end	$\geq 0.1\text{mm}$ (standard) or customer requirements $\pm 0.2\text{mm}$
B Length of metalized part	Customer requirements $\pm 0.5\text{mm}$
C Length of naked fiber at the root	0mm (standard), or customer requirements $\pm 0.5\text{mm}$
D Total length of stripped fiber	Customer requirements $\pm 0.5\text{mm}$
Total fiber length	Customer requirements $+0.5\text{mm}$
Coating thickness	3~4 $\mu\text{m}$ (standard) or 1~10 $\mu\text{m}$ (customer requirements)
Thickness of gold-coated layer	$\leq 0.1\mu\text{m}$
Coated layer tension	$>5\text{N}$ (Conditions: hot solder resist process)
Operating Temperature	-55~+85 $^\circ\text{C}$
Recommended soldering temperature	280~300 $^\circ\text{C}$
Recommended soldering flux	80%Au/20%Sn
Coated membrane on the end face	It can be coated according to customer requirements
Connector type	FC, SC or customer requirements