

# OPTONEST 衰减光纤

## 中国大陆指定唯一代理商

### Attenuation Fiber 衰减光纤

#### General Description

OptoNest's specialty optical fibers are fabricated for DWDM attenuator application with flat attenuation properties. The attenuation fibers have the potential to offer high reliability and stable input power endurance. OptoNest's attenuation fibers are designed to be used for fixed or in-line type attenuator and terminator covering all optical communication wavelength (1250 - 1650nm) with 1 - 40dB/21mm.

Optonest 衰减光纤是专门针对 WDM 波分光网络系统的应用而生产，具有宽波长范围内平坦的衰减曲线特性。Optonest 衰减光纤在确保设备输入光功率的稳定性方面具有很高的可靠性。产品广泛应用于阴阳式和在线式光纤衰减器的生产，产品的可靠工作波长范围 1250 - 1650nm，我们可以提供 1 - 40dB 的可订制规格产品。

#### Features

- Ideal for DWDM application
- Durable for high-input power
- Precise control of attenuation range
- High attenuation for fixed, in-line type attenuators and terminator
- High reliability

#### Application

- Dynamic power leveling in optical add/drop multiplexing
- EDFA
- Dynamic power balancing in DWDM systems
- CATV systems
- Optical network equipment
- Bi-directional systems

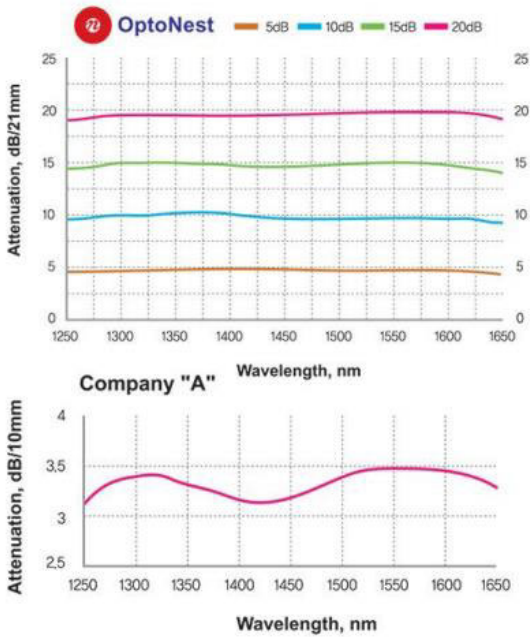
#### Specifications



Parameter 参数	Values 规格
Core Diameter 纤芯直径	8 - 10 $\mu$ m
Numerical Aperture 数值孔径	0.12 $\pm$ 0.01
Inner Cladding Diameter 内包层直径	40 - 50 $\mu$ m
Outer Cladding Diameter 外包层直径	125 $\pm$ 0.5 $\mu$ m
Core to Cladding Concentricity Error 纤芯与包层同轴度误差	$\leq$ 0.8 $\mu$ m
Attenuation 衰减值	1~20dB(10mm) / 1~30dB(15.4mm) / 1~40dB(21, 22.4mm)
Attenuation Tolerance 衰减公差	$\pm$ 7.5%
Storage Temperature Range 储存温度范围	-40 $^{\circ}$ C - 85 $^{\circ}$ C
Operating Temperature Range 工作温度范围	-40 $^{\circ}$ C - 75 $^{\circ}$ C
Cut-off Wavelength 截止波长	1200 $\pm$ 20 $\mu$ m
Operating Wavelength 操作波长范围	1250 - 1650nm
Optical Power Endurance 光功率耐久性	$\leq$ 0.2dB (@200 mW)

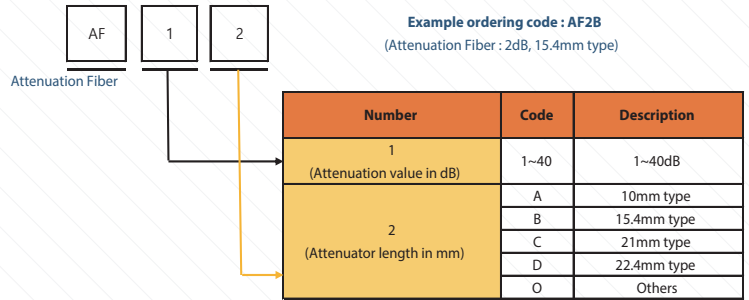
# Specification

## Comparison of Attenuation Data



## Order Information

Ordering number shall be named in the following format.

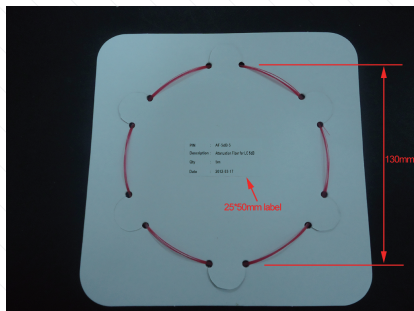


## • Packing Information

原包装: 为小光缆盘包装, 整圈原装进口时使用, 一般长度为50米/盘, 如下图:



分包装: 为纸板包装, 用于客户小米数的分装包装出货, 如下图:



Address: 4-6F, Block 3, Unibuilt Technology Industrial Park, Huarong Road, Dalang, Longhua District, 518109 Shenzhen, China  
 Tel: +86 0755-3367 3808 / 3367 3797  
 Fax: +86 0755-3367 3791 / 3367 3792  
 E-mail: sales@koc.com.cn  
 Website: www.koc.com.cn