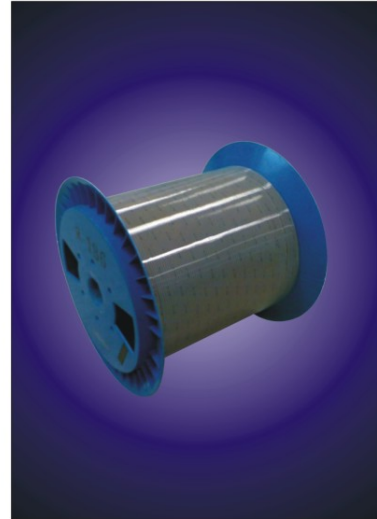# 长飞（上海）光纤带4-12芯带
YOFC(SH) Fiber Ribbon 4-12 Fibers

产品描述
Description

长飞光纤光缆（上海）有限公司生产的光纤带采用包覆式结构，多根光纤平行水平布放成一列，然后用UV紫外固化树脂包覆成带。光纤带分为4芯带，6芯带，8芯带，12芯带四种。光纤带精确的几何尺寸为大芯数光纤熔接和多种光纤熔接提供高质量的保证。

YOFC(SH) Fiber Ribbon have several parallel fibers, either single-mode or multimode type, are arrange side by side,encapsulated UV curing acrylate to form a ribbon.There are four ribbon types. 4-fibers, 6-fibers, 8-fibers,12-fibers.The ribbon's precise fiber geometries for excellent mass-fusion splicing and multifiber connectorization yields.

产品特点
Charateristics

■ I厚度薄，利于成缆；
Thin thickness is helpful to increase the fiber density.

■ I采用包覆式结构，光纤带具有优良的抗压性能；
Encapsulated construction ensure the good crush-resistance.

■ I平整度良好，利于续接；
Good planarity facilitates splicing.

■ I分离，剥离性能优越；
Being easy to separate and strip.

■ I精确的几何尺寸为大芯数光纤熔接和多种光纤熔接提供高质量的保证，光纤带几何尺寸一致性好；
Precise fiber geometries for excellent mass-fusion splicing and multifiber connectorization yields, Excellent geometrical dimension of the ribbon fiber.

■ I为各种光连接器提供高质量的光纤解决方案；
Provides high-density fiber solution compatible with all kinds of optical connectors.

■ I完善的性能测试保证产品的可靠性；
100% optical testing for superior product reliability.

■ I良好的剥离性使光纤带易于分离和单根光纤的熔接；
Easily accessible individual fiber for fan-out or single-fiber routing applications.

■ I拥有标准光纤带包括4,6,8,12芯带，可满足各种场合的应用；
Available in standard fiber counts of 4, 6, 8,12 fibers to meet a wide variety of applications.

产品应用
Application

长飞（上海）光纤带符合或优于YD/T979的标准，具有厚度薄，平整度好，易于分离和剥离等优越性，能广泛用于各种传输网络和设备，特别适用于中继网和接入网。

长飞（上海）光纤带适用于各类光缆结构，包括骨架式光缆，松套层绞式光缆和中心束管式光缆等，同时适用于各种软光缆，包括配线光缆，引入光缆，户内光缆等。

长飞（上海）光纤带可以为各种连接器提供高质量的光纤解决方案。拥有标准光纤带包括4，6，8，12芯带，可满足各种场合的应用。可以提供比普通光纤更小损耗的连接。

YOFC(SH) Fiber ribbon complies or exceeds the standards stipulated in the Technical Requirements on fiber ribbon and text method of YD/T979. Thin thickness is helpful to increase the fiber density. Good planarity facilitates splicing. Being easy to separate and strip. Can be widely used in all kinds of communication networks and facilities, special for relay network and access network.

YOFC(SH) Fiber ribbon complies or all kinds of fiber cable construction. Including slotted core cable, standing cable and central tube cable.

YOFC(SH) Fiber ribbon make a high-density fiber solution that is compatible with all kinds of connectors. Available in standard fiber counts of 4,6,8,12 fibers to meet a wide variety of applications. Provides much lower loss than ordinarily fibers.

■ 光学特性 Optical Characteristics

衰减 Attenuation	@1310 nm	≤ 0.36 dB／km
	@1550 nm	≤ 0.22 dB／km
色散 Dispersion	@1310 nm	≤ 3.5 ps／(nm·km)
	@1550 nm	≤ 18 ps／(nm·km)
截至波长 Cut-off wavelength λcc		≤ 1270 nm
温度附加衰减△α（-20℃～+60℃） Attenuation at temperature cycling △α（-20℃～+60℃）		≤ 0.05 dB／km
温度-湿度循环 Temp- Humidity cycling 附加衰减，85℃，85%相对湿度，30天		≤ 0.05 dB／km
宏弯附加属性 Attenuation at bending 100r，dia75mm，@1550nm		≤ 0.05 dB
光纤分离性（使用工具） Fiber Separation Performance		分离力 power ＜4.4N 任意25mm长度能分辨光纤颜色 不损坏光学，机械性能 The mechanical and optical characteristics can not be damaged. The colour is clear.
光纤剥离性（使用专业工具） Fiber Stripping Performance		单根光纤涂覆层及粘结材料均易于剥除，剥离后无残留物 Every single fiber can be Striped easily and clearly.
交货长度(米/盘)可按用户要求提供各种长度 Other length available on request		4芯带每盘最长长度　　　　24km Maximum length on one spool at 4 fibers 6芯带每盘最长长度　　　　12km Maximum length on one spool at 6 fibers 8芯带每盘最长长度　　　　12km Maximum length on one spool at 8 fibers 12芯带每盘最长长度　　　12km Maximum length on one spool at 12 fibers

光纤带使用温度范围　-40℃～ +70℃
Operating temperature range -40℃～ +70℃
根据客户要求,采用其他类型光纤制带,光纤性能参数请参加长飞(上海)各类光纤说明书
Other kinds of fiber available on request

光纤带几何尺寸（优于YD／T979标准）
Geometrical specification of fiber ribbon(exceeds YD/T979)

光纤带芯数 Fiber ribbon core	光纤带宽（μm） width（μm）	光纤带高（μm） thickness（μm）	平整度（μm） planarity（μm）
4	<1115	<320	<25
6	<1645	<320	<25
8	<2175	<320	<25
12	<3182	<320	<30

光纤带色谱
Colour code of fiber ribbon

1	2	3	4	5	6	7	8	9	10	11	12
Blue 蓝	orange 桔	green 绿	brown 棕	slate 灰	white 白	red 红	black 黑	yellow 黄	violet 紫	pink 粉红	aqua 水绿