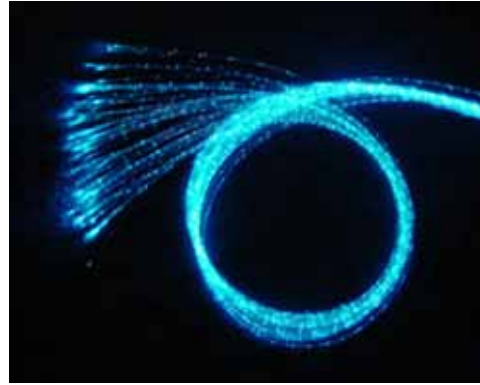
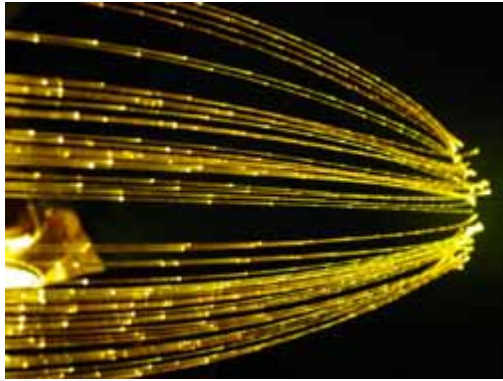


FRANKEVER LIGHTING OPTIC FIBER

1, SOF Series: Star-twinkling Optical Fiber And Cable



Model Specifications

Model	Core number	Optical fiber/cable diameter (mm)	Section length (m)	Buffer material
SOF-500	1	0.50	6000	Transparent PVC
SOF-750	1	0.75	2700	
SOF-1000	1	1.0	1500	
SOF-750-3	3	0.76/3.0	900	
SOF-750-4	4	0.75/3.0	900	
SOF-750-7	7	0.75/4.0	900	

Basic Properties

Fiber core/ clad material	PMMA/ Fluoresin
Numerical aperture	0.5
Cable diameter fluctuation	± 5%
Attenuation	0.4dB/m
Cable appearance	Smooth surface, no visible crackles or mechanical damage

Features

Regular shining star effect is created by the fiber and cable, with end-emitting effect;
 Better anti-crunch, anti-stretch, anti-grinding, and anti-aging performances brought by the transparent PVC jacket;
 Star-twinkling effect is created with special light source for artistic designers.

Applications

Used as wall lighting curtain and footpath of KTV, pubs, coffee houses and restaurants;
 Artistic drop lamp; Optical fiber folding screen;
 Moving lighting and waterfall curtain.

2, MEV Series: Multi-core End-light Optical Fiber Cable



Model Specification

Model	Core number	Optical fiber/cable diameter (mm)	Section length (m)	Buffer material
MEV-750-4	4	0.75/3.0	900	Black PVC
MEV-750-7	7	0.75/4.0	900	
MEV-750-14	14	0.75/5.0	600	
MEV-750-25	25	0.75/6.0	100	
MEV-750-42	42	0.75/10	100	
MEV-750-75	75	0.75/12	100	
MEV-750-126	126	0.75/14	100	Black PVC
MEV-1000-4	4	1.0/4.0	1000	
MEV-1000-7	7	1.0/5.0	500	
MEV-1000-14	14	1.0/6.0	100	
MEV-1000-25	25	1.0/10	100	
MEV-1000-42	42	1.0/12	100	

Note: The multicore cable of different structure and core numbers can be customized according to customer requirements.

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Basic properties

Fiber core/clad material	Polymethylmethacrylate (PMMA)/Fluoresin
Numerical	0.5
Cable appearance	Smooth surface, no visible crackles, defects or mechanical damage
Cable diameter fluctuation	± 5%
Attenuation	0.4dB/m
Using temperature Range of the cable	-20~+70

Features

Better anti-crunch, anti-stretch, anti-grinding, and anti-aging performances brought by the black PVC jacket, extending operation life;

Unique loose jacket adopted in the lighting series, easy to peel off;

Varied end-lighting effect created by cables (with different number of fibers) of different diameters;

Better end-lighting effect than single core fiber or cable.

Applications

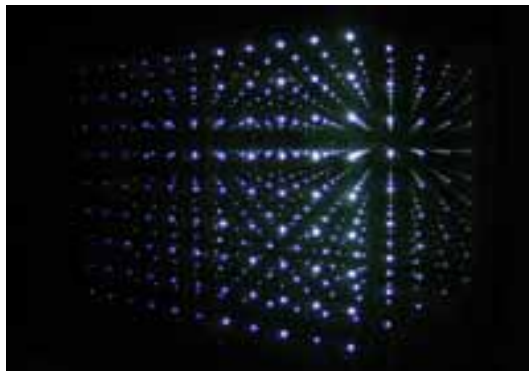
Used with special light source, the fiber end can give pure-colored and soft light, and can be implemented in demanding indoor or outdoor lighting systems;

Since it does not transmit ultraviolet or infrared, and does not conduct heat or electricity, this fiber can be used in special illumination projects like underwater, oil stock house, and museum illumination.

3, SEV Series: Single-core End-light Optical Fiber Cable

Basic Properties:

Fiber core/clad material	PMMA/Fluoresin
Numerical aperture	0.5
Cable appearance	Smooth surface, no visible crackles, mechanical damage
Cable diameter fluctuation	5%
Attenuation	0.4dB/m
Using temperature range of the cable	-20~+70



Model Specifications

Model	Optical fiber diameter (mm)	Optical fiber cable diameter (mm)	Coil length (m)	Buffer material
SEV-500	0.5	1.0	1000/6000	Black PE
SEV-750A	0.75	1.2	2700	
SEV-750	0.75	2.2	2700	
SEV-1000A	1.0	1.6	1500/2500	
SEV-1000	1.0	2.2	1500/2500	
SEV-1500	1.5	2.5	700	
SEV-2000	2.0	3.0	350	
SEV-2500	2.5	3.5	250	
SEV-3000	3.0	4.0	150	

Applications

Used with special light source, the fiber end can give pure-colored and soft light, and can be an artistically nice choice for light decoration like Starts ceiling, optical fiber 3-D mirror, optical fiber drop lamp, optical fiber signs and etc.

Since it does not transmit ultraviolet or infrared, and does not conduct heat or electricity, this fiber can be used in special illumination projects like underwater, oil stock house, and museum illumination.

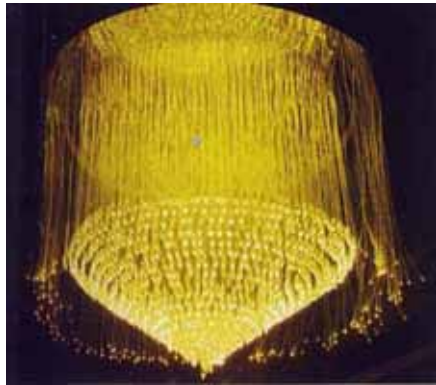
Features

Better anti-crunch, anti-stretch, anti-grinding, and anti-aging performances brought by the black PE jacket, extending using life;

Unique loose jacket adopted in the lighting series, easy to peel off;

Varied end-lighting effects created by fibers or cables of different diameters

4, EL Series: End-light Optical Fiber



Model Specification

Model	Optical fiber diameter (mm)	Coil length (m)
EL-500	0.5	6000
EL-750	0.75	2700
EL-1000	1.0	1500
EL-1500	1.5	700
EL-2000	2.0	350
EL-2500	2.5	250
EL-3000	3.0	150

Basic properties:

Fiber core/clad material	PMMA/Fluoresin
Numerical aperture	0.5
Cable appearance	Smooth, transparent
Cable diameter fluctuation	5%
Attenuation	0.4dB/m
Elongation-at-yield rate	4
Allowable bend radius	No less than ten times of the optical fiber
Using temperature range of the cable	-20~+70

Feature:

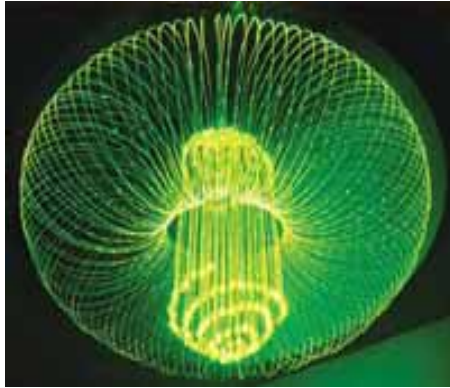
Low-loss optical window in the light-visible area, and ability to transmit visible light but not ultraviolet or infrared; No conductivity or heat transfer;

Smooth surface, good flexibility, bendable shape; Strongest light effect at the end of the fiber.

Applications

Used with special light source, the fiber and can give pure-colored and soft light, and can be an artistically nice choice for light decoration like Stars ceiling lamp. Optical fiber 3-D mirror, optical fiber signs and etc.; since it does not transmit ultraviolet or infrared, and does not conduct heat or electricity this fiber can be used in special illumination projects like underwater, iol stock house, and museum illumination.

5, MS Series: Mini-diameter Side Light Optical Fiber



Model Specification

Model	Optical fiber diameter (mm)	Coil length (M)
MS-750	0.75	2700
MS-1000	1.0	1000
MS-1500	1.5	700
MS-2000	2.0	350
MS-2500	2.5	250
MS-3000	3.0	150

Features

2-3 Times more bright than end-light optical fiber, ability to transmit visible light but not ultraviolet or infrared;

No conductivity or heat transfer;

Smooth surface, transparent, good flexibility, bendable shape

Applications

Ornamentation for linear profile and providing a creative source of artistic crafts;

Decorated with crystal fitting, the optic fiber lamp is more bright and charming.

Optic fiber lighting curtain and hall drop lamp decoration show the grace of fiber optic;

Mini-diameter side light optical fiber is the top choice for making an optical fiber mural.

Basic properties

Fiber core material	Polymethyl methacrylate (PMMA)
Clad material	Fluoresin
Appearance	Smooth, transparent
Numerical aperture	0.5
Attenuation	0.4dB/m
Allowable bend radius	No less than ten times of the optical fiber diameter
Using temperature range	-20~+70

6, ISL Series: Infilled Side Light Optical Fiber and Cable



Model Specifications

Model	Optical fiber diameter (mm)	Optical fiber cable diameter (mm)	Optical fiber material
ISL-2	2		Polyacrylate/ Fluoresin
ISL-3	3		
ISL-5	5		
ISL-6	6		
ISL-8	8		
ISL-10	10		
ISL-12	12		
ISL-14	14		
ISL-16	16		
ISL-18	18		
ISLV-2	2	3.5	Polyacrylate/ Fluoresin/ Transparent
ISLV-3	3	4.5	
ISLV-6	6	8.8	
ISLV-8	8	11	
ISLV-10	10	13	
ISLV-12	12	14	
ISLV-16	16	18	
ISLV-18	18	20	

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Basic properties

Jacket material	Transparent, anti-ultraviolet PVC
Numerical aperture	0.5
Attenuation	0.4dB/m
Allowable bend radius	10 times of cable diameter
Using temperature range Of the cable	-20~+70

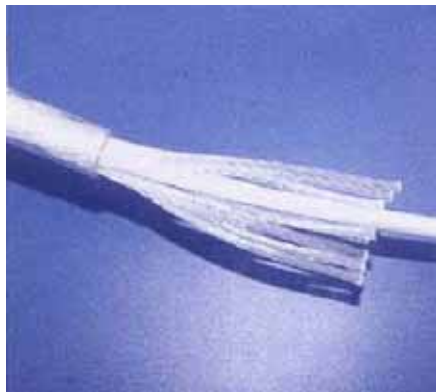
Features

More even side light effect, longer transmission distance reaching max.30 meters; Giving multi-color side-light effect when used together with special light source.

Applications

Interior lighting decoration of KTV, pubs, coffee house, hotels and restaurants;
Artistic adornment in graphical and 3D artistic design;
Lighting in swimming pools and underwater facilities.

7, TSL Series: Twisted Side Light Optical Cable



Model specification

Model	Core number	Optical fiber diameter	Optical fiber material
TSL-750-14	14	0.75/6.0	Polymethyl methacrylate/ Fluoresin
TSL-750-42	42	0.75/10.0	
TSL-750-84	84	0.75/14.0	
TSL-750-126	126	0.75/18.0	

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Basic properties

Jacket material	Transparent, anti-ultraviolet PVC
Numerical aperture	0.5
Attenuation	0.4dB/m
Allowable bend radius	10 times of cable diameter
Using temperature range Of the cable	-20~+70

Features

More brightness and longer transmission distance than mini-diameter side light optical fiber by increasing fiber number;

More soft, bendable and easy to conduct than infilled side light optical cable;

Resistible to cold and hot temperatures, and hot temperatures, and more durable than infilled side light optical cable;

Presenting a twinkling-light effect when used together with special light source

Applications

Interior lighting decoration of KTV, pubs, coffee houses, hotels and restaurants;

Artistic adornment in graphical and 3D artistic design;

Lighting in swimming pools and underwater facilities;

Large-size backdrop of lighting waterfall.