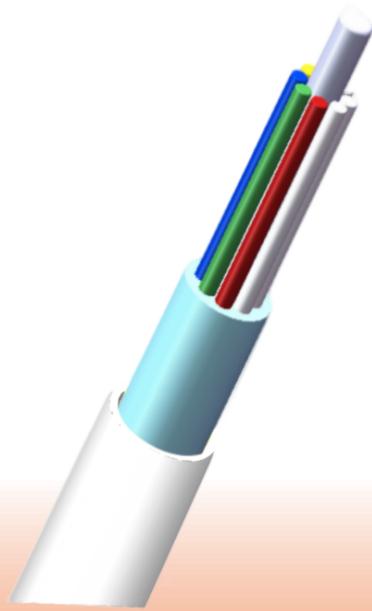




Better FTTx, Better Life.



August, 2025

Technical Information

FCST-LSZH-FU-XB1.3

Air Blown Fiber Unit

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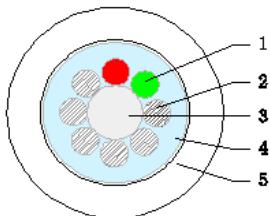
www.micro-duct.com





FCST-LSZH-FU-XB1.3 Air Blown Fiber Unit

The optical cable is an all-non-metallic structure, lightweight and has a certain rigidity, has a very small diameter cable for air blown installation into micro-duct. The fibers are coated with a soft acrylate layer as a cushion to provide protection to the fiber. The LSZH jacket gives low friction and best blowing performance to the installation.



1. Optical Fibre

2. Filled Fibre

3. GFRP

4. Resin

5. LSZH

- 2-8 fiber options.
- Suitable for household entry.
- Designed with no gel, easy stripping and handling.
- Lightweight and proper stiffness , repeat installation.
- Better costs advantage compared to traditional product.
- Complete accessories, less manpower, lower installation time.
- Stable structure, good mechanical and temperature performance.
- Flame retardant meets the vertical burning requirement of a single cable.



Fiber Color Code:

No.	1	2	3	4	5	6	7	8
	Red	Green	Blue	Yellow	White	Grey	Brown	Violet

Other color code can be ordered by prior notice.

Product Specifications

Construction	Description
Fiber Count	2-8 fibers G657A1
Out Diameter	1.95mm($\pm 0.03\text{mm}$)
Weight	4.4g/m
Min Bend Radius	120mm
Jacket Color	White
Attenuation	0.40dB/km max@1310nm 0.30dB/km max@1550nm
Packaging Info.	2000m /CNT 11KG 0.064CBM (560*560*200mm) 4000m /CNT 19.2KG 0.095CBM (560*560*300mm)

Standard delivery lengths are: 1000m, 2000m, 4000m with a tolerance of 0 ~ +5%.





Mechanical Test

Note : 1 Tests according to IEC 60794 Edition 1.0, 2008-10 2 All optical testing proceeded at 1550 nm

Tension	Bend	Crush
IEC 60794-1-21-E1	IEC 60794-1-21-E11A	IEC 60794-1-21-E3
Load: 1xW	40mm*3turns 5 cycles at 20°C	100N , 60S
Fiber strain ≤0.4 at MAX , Additional attenuation ≤0.05dB	Additional attenuation ≤0.05dB,after test	Additional attenuation ≤0.05dB,after test
Fiber strain 0.05% after test		

Environmental Test

Note : 1 Tests according to IEC 60794 Edition 1.0, 2008-10 2 All optical testing proceeded at 1550 nm

Temperature cycling	Water Soak	Damp Heat Cycle
IEC 60794-1-22-F1	IEC 60794-5	IEC 60068-2-38
-30°C, +60°C,(2 cycles)	1000 hours in water,18°C~22°C	25°C, 65°C, 25°C, 65°C, 25°C,-10°C, 25°C
Absolute attenuation ≤0.5dB/km, during test	(Test after temp cycle) ≤0.07dB/km	Absolute attenuation ≤0.5dB/km, during test
Absolute attenuation ≤0.1dB/km, after test	Change compared to start value	Absolute attenuation ≤0.1dB/km,after test

Blowing Test

Fiber Count 2-8fibers

Test equipment

Equipment:PLUMETTAZ : UM25, ERICSSON : F,Fremco

Standard duct:7/4 mm

Pressure:10-13bar

Typical blowing distance:≥1000m

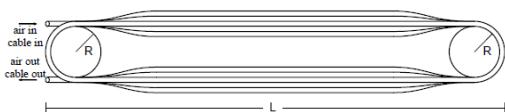
Typical blowing time:≥30 min

Pushable length by hands(no pressure) ≥100m

Standard: IEC 60794-1-21-E24

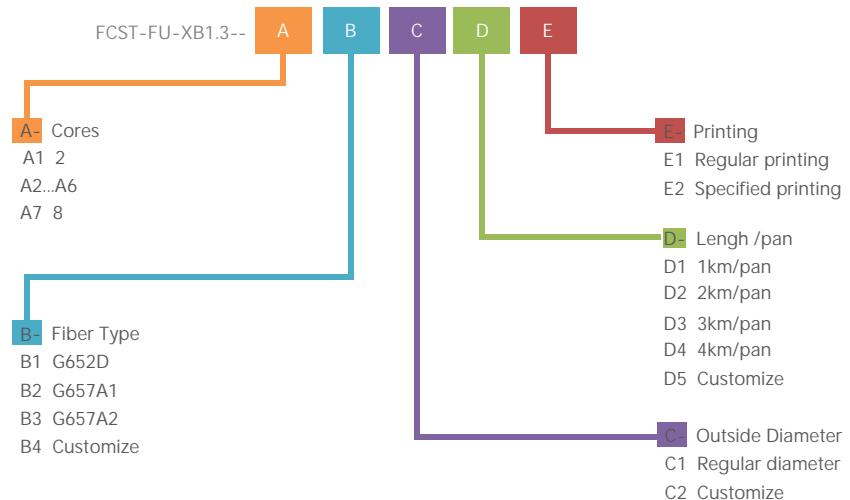
Micro duct 7/4mm , 1000m (L=100m , R=100mm)

Recommended blowing speed: 30 ~ 45m/min





Ordering Information



*Note: The specified model is determined based on optional configurations. For example: Hand Push Air Blown Fiber Unit--A1-B1-C1-D1-E1.

Related Products



Telecom Manhole Chamber



Divisible Duct Sealing-
40~63mm(HT)



Micro Duct Connector

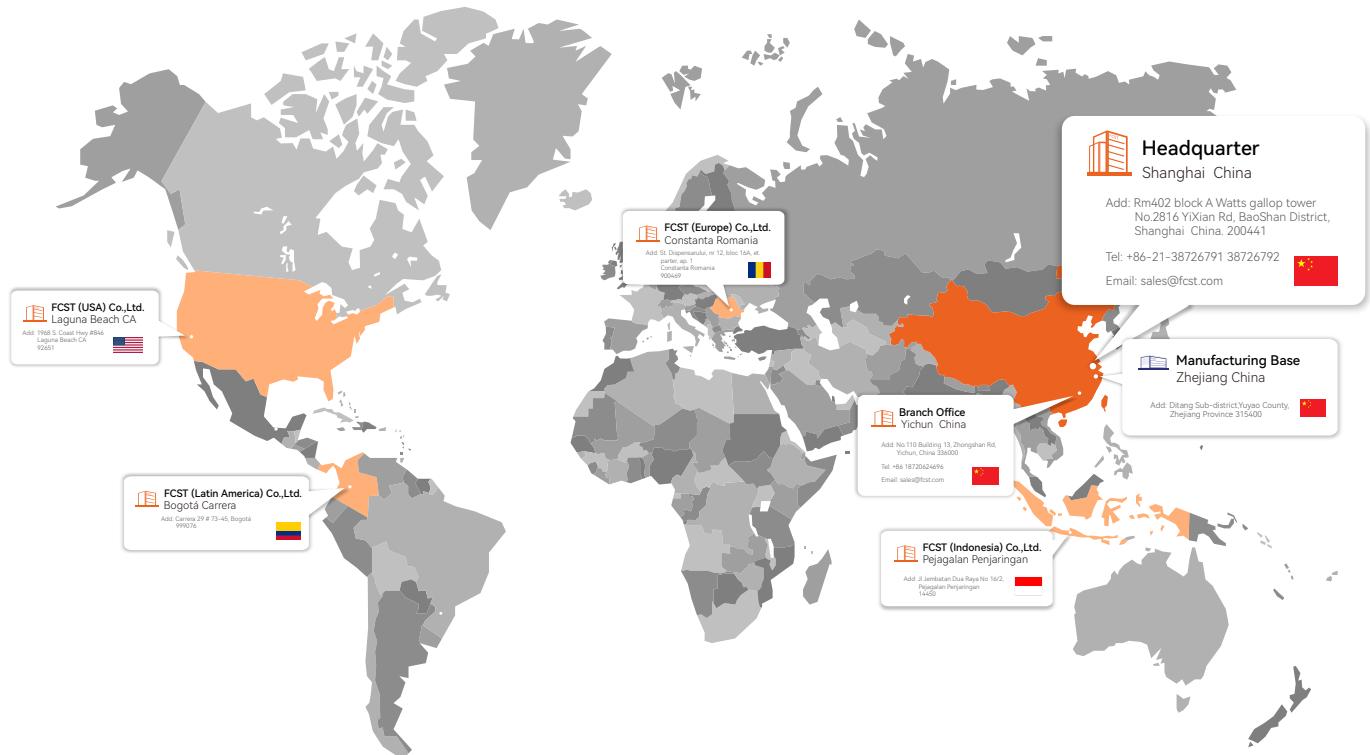


Fiber Blowing Machines



Better FTTx, Better Life.

Fiber Cable Solution Technology Co.,Ltd.



FCST - Better FTTx, Better Life.

At FCST, we manufacture top-quality microduct connectors, microduct closure, telecom manhole chambers and fiber splice boxes since 2003. Our products boast superior resistance to failure, corrosion, and deposits, and are designed for high performance in extreme temperatures. We prioritize sustainability with mechanical couplers and long-lasting durability.

FCST aspires to a more connected world, believing everyone deserves access to high-speed broadband. We're dedicated to expanding globally, evolving our products, and tackling modern challenges with innovative solutions. As technology advances and connects billions more devices, FCST helps developing regions leapfrog outdated technologies with sustainable solutions, evolving from a small company to a global leader in future fiber cable needs.

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