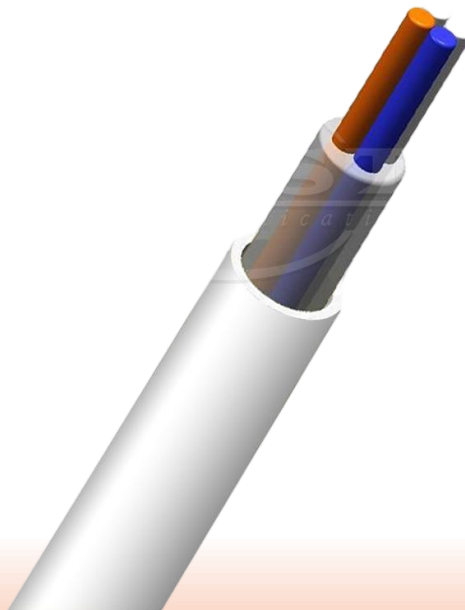




Better FTTx, Better Life.



August, 2025

Technical Information

# FCST-FU-LSZH Air Blown Fiber Unit

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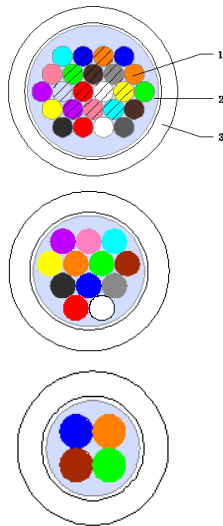
[www.micro-duct.com](http://www.micro-duct.com)





## FCST-FU-LSZH Air Blown Fiber Unit

The optical cable is an all-non-metallic structure, lightweight and has a certain rigidity, and is suitable for being pushed or air-blown into 5/3.5mm microtubes; it can be easily pushed into 100m long pipe with hand. The fibers are coated with a soft acrylate layer as a cushion to provide protection to the fiber. The HDPE jacket gives low friction and best blowing performance to the installation.



1. Optical Fibre

2. Resin

3. LSZH

- 4-24 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:

#### Color Code

Fiber Colors 1 ( TIA )

NO.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Purple	Pink	Aqua

One black ring mark (200mm pitch)

NO.	13	14	15	16	17	18	19	20	21	22	23	24
Color	Blue	Orange	Green	Brown	Slate	White	Red	Nature	Yellow	Purple	Pink	Aqua

Or Fiber Colors 2 ( DIN )

NO.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Red	Green	Blue	Yellow	White	Gray	Brown	Violet	Aqua	Black	Orange	Pink

One blackring mark (200mm pitch)

NO.	13	14	15	16	17	18	19	20	21	22	23	24
Color	Red	Green	Blue	Yellow	White	Gray	Brown	Violet	Aqua	Nature	Orange	Pink



## Product Specifications

### Cable properties

Fiber Count	2	4	6	8	12	24
Outer Diameter (mm)	1.45±0.05	1.45±0.05	1.65±0.05	1.85±0.05	1.95±0.05	2.45±0.05
Approx. Weight (g/m)	1.1	1.1	1.4	1.9	2.3	3.9
Jacket Colo	white/yellow	white/yellow	white/yellow	white/yellow	white/yellow	white/yellow
Min Bend Radius (mm)	50	50	60	80	80	120
Max. tensile	0.5 G (G=9.8*Weight)					
Max. crush	100 N/100mm					
Temperature	Storage -30 ~ +60 ; Installation -10 ~ +50 ; Operation -30 ~ +60					
Packaging Info(Gross)	core 2/4 :2000m/CNT 7KG ,4000m/CNT 9KG,0.053CBM (510*510*200mm),6000m/CNT 12KG,0.079CBM (510*510*300mm) core 6 :2000m/CNT 7.5KG 0.053CBM (510*510*200mm) ,4000m/CNT 11KG,0.079CBM (510*510*300mm) 6000m/CNT 14KG,0.105CBM (510*510*400mm) core 8 :2000m/CNT 8.9KG 0.053CBM (510*510*200mm) ,4000m/CNT 13.7KG,0.079CBM (510*510*300mm) 6000m/CNT 18.2KG,0.105CBM (510*510*400mm) core 12 :2000m/CNT 9KG 0.053CBM (510*510*200mm) ,4000m/CNT 14KG,0.079CBM (510*510*300mm) core 24 :2000m/CNT 14.1KG 0.095CBM (560*560*300mm) ,4000m/CNT 22.2KG,0.132CBM (560*560*420mm)					



## Optical Parameters ( Fiber Unit )

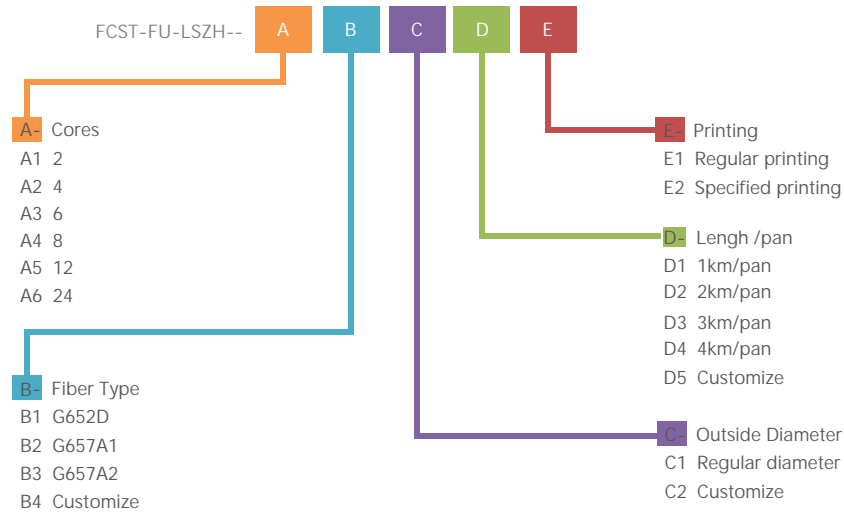
Parameters	Single Mode (G.652D /G.657A1/G.657A2/)	Multimode ( OM1/OM2/OM3/OM4)
Attenuation	0.40/0.30dB/km @1310nm/1550nm	3.5/1.5dB/km @850/1300nm

## Typical Blowing Test

Fibre Count	2-12 Fibre	24 Fibres
Test equipment	PLUMETTAZ : UM25, ERICSSON : F, Fremco	PLUMETTAZ : UM25, ERICSSON : F, Fremco
Standard duct	5.0/3.5 mm	7.0/4.0mm
Approx. Pressure	7bar / 15bar	13bar
Typical blowing distance	500m / 1000m	500m
Typical blowing time	15 min / 20 min	15min



## Ordering Information



\*Note: The specified model is determined based on optional configurations. For example: FCST-FU-LSZH--A1-B1-C1-D1-E1.

## Related Products



Telecom Manhole Chamber



Divisible Duct Sealing-  
40~63mm(HT)



Micro Duct Connector

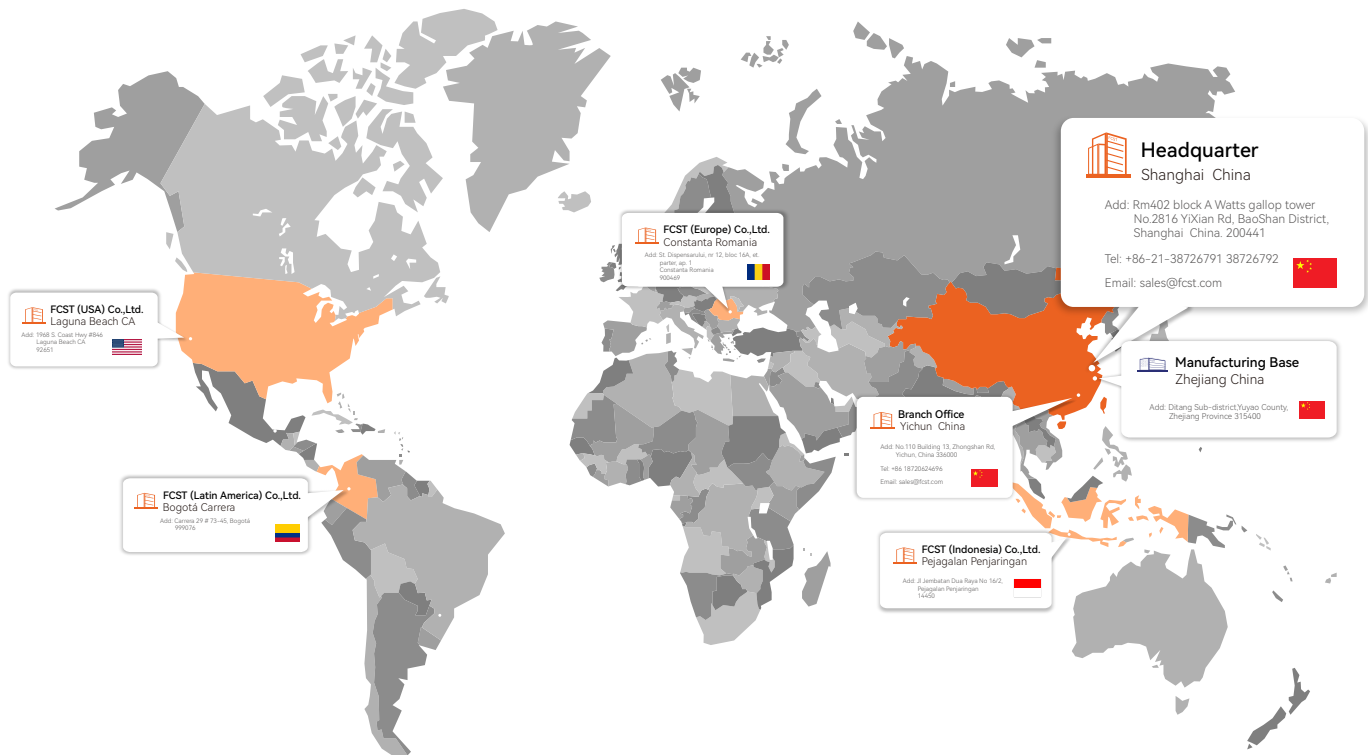


Fiber Blowing Machines



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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