



Better FTTx, Better Life.



March, 2026

Technical Information

# FCST-15JDB-SC

## Microduct Straight Connector

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## 15J Microduct Straight Connector

The FCST-15JDB-SC metal-free push-on connectors feature a clear polycarbonate housing that enhances thermal stability and provides excellent impact resistance. Their quick and easy connect and disconnect capabilities, combined with their rugged, compact design and use of durable materials, make them ideal for the harshest environments, including direct mount (DI) or direct burial (DB) applications in telecommunications network deployments.



- For 7 -16 mm microducts.
- Easy " push-in" installation.
- Full plastic design .(metal-free)
- Crystal clear transparent body.
- Pre-assembled Safety Locking Clip.
- Suitable for use in Direct Buried (DB) applications.
- Components are made of recyclable materials to reduce CO2 dioxide emissions.



**IP68**



### Product Specifications

Construction	Description
Tube To Connector	HDPE Microduct( DB   DI   TW )
Fluid	Air with blowing system
Working Pressure	20 bar
Burst Pressure	25 bar
Estimated Life	25 years
Protection Class	IP68
Water Ingress Test	0.5 bar during 168 hours
Installation Temperature	-15°C to +50°C
Operation Temperature(after blowing)	-20°C to +70°C
Transport and Storage Temperature	-15°C to +45°C
Insertion Force	Size≤12mm, ≤ 50 N   Size≥14mm, ≤ 120 N
Impact Resistance	15J
According To Standards	DIN EN 50411-2-8,EN 50411-2-5,IEC 60794-1-24, E4: 15 Joules, EN 61300-2-10,EN 61300-2-38:2006,IEC 60794-1-2 Method E1,Rohs,Reach



**Standards**

**Construction**

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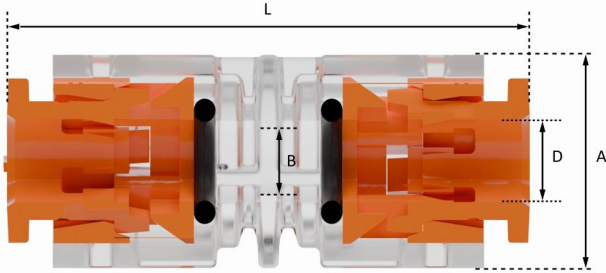
- EN 60529:IP68
- EN 61300-2-26: Salt Mist
- EN 61300-2-33: Re-entries
- IEC 60794-1-24, E4: 15 Joules
- EN 61300-2-10: Crush Resistance
- EN 61300-3-1: Visual Appearance
- EN 61300-2-4: Microduct Retention
- EN 61300- 2-34: Chemical Resistance
- EN 50411-2-8:Annex E:Insertion Force
- EN 61386-22: Glow Wire Test at 750°C
- EN 50411-2-8:Annex D:Installation Test
- EN 61300-2-22: Change of Temperature
- EN60794-1-2 Method E1. Tensile Strength
- EN 61300-2-38: 2006,Method B:Pressure Loss
- EN 50411-2-8:Annex C: High Pressure Resistance
- EN 61300-2-23: 1997,Method 2:Water Immersion
- EN 61386- 24: Conduit Systems Buried Underground
- EN 61300-2-38:2006, Method A:Sealing Performance

**Product Material**





Ordering Information



Model	D (mm)	A (mm)	B (mm)	L (mm)	Weight (g)
FCST-15JDB-SC7	7+0.4	18.8+0.2	6.10±0.2	45.2±0.2	9-9.8
FCST-15JDB-SC10	10+0.4	21.8+0.2	9.1±0.2	46.6±0.2	13-15
FCST-15JDB-SC12	12+0.4	24.7+0.2	11.1±0.2	54.5±0.2	18-22
FCST-15JDB-SC14	14+0.4	26.7+0.2	13.0±0.2	54.9±0.2	15-17.3
FCST-15JDB-SC16	16+0.4	28.7+0.2	15.1±0.2	56.4±0.2	21-25

\*Note: For other sizes, please contact the sales department.

Ordering Information



LOGO&Color  
(Spring Sleeve, Release Sleeve, Locking Clip)



Packing  
(Packing Bag, Inner Box, Outer Box, label)

Related Products



Telecom Manhole Chamber



Divisible Duct Sealing



Marker Ball

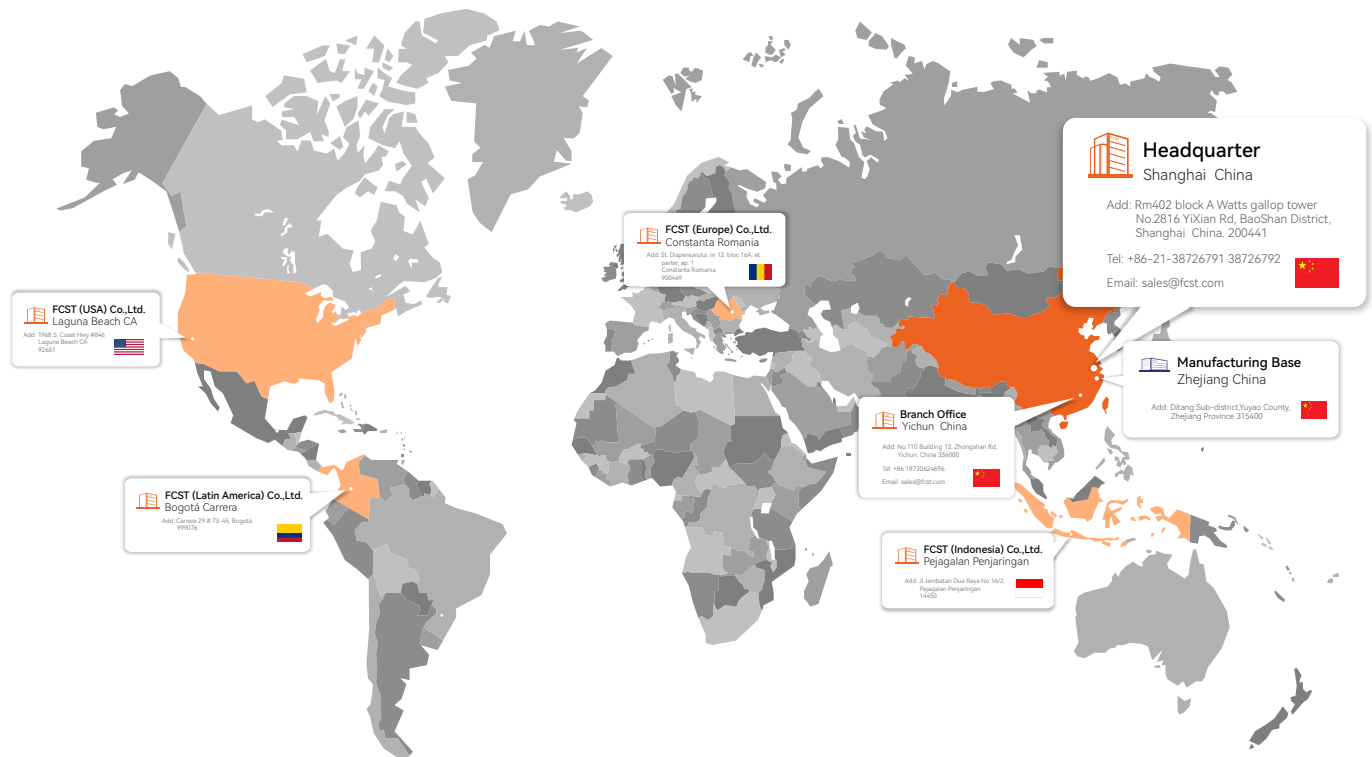


Fiberblowing Machines



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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