FCST Communication

Better FTTx, Better Life.



December, 2025

Technical Information

FCST-DB-SC3/4"(27/20) Microduct Straight Connector

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www.microductcoupler.com

27mm MicroDuct Straight Connector

27mm Microduct Straight Connector were developed to connect microducts with each other.Our system enables an easy, fast connection and disconnection of the microduct. The connectors ' robust construction resistance to high pressure forces, allowing them to be used in direct buried (DB) applications. The transparent body enables easy visual inspection of the cable with in the connector.



- For 27 mm Microducts.
- Easy "push-in" installation.
- Crystal clear transparent body.
- 95% of the material is made of non-metal.
- Tested in accordance to EN 50411-2-8:2009.
- Locking rings to prevent accidental removal of connector.

ISO 9001 Reach RoHS 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 +45°C
Operation Temperature	-15°C to +45°C
Transport and Storage Temperature	-15°C to +45°C
Insertion Force	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

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

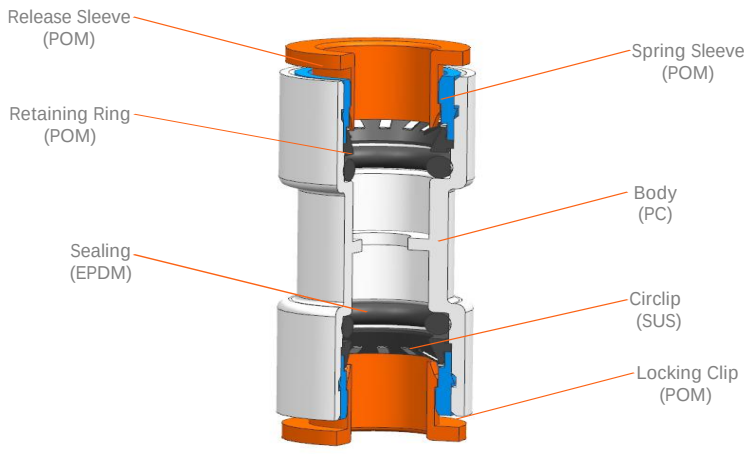
EN 50411-2-8:Annex C: High Pressure Resistance

EN 61300-2-23: 1997,Method 2:Water Immersion

EN 61386- 24: Conduit Systems Buried Underground

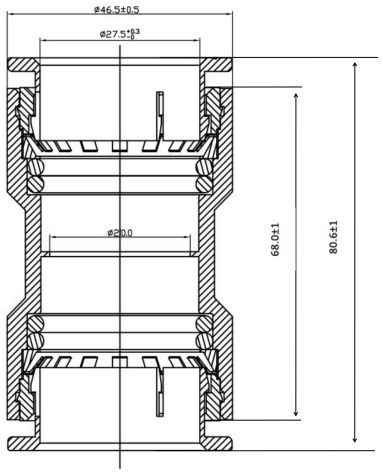
EN 61300-2-38:2006, Method A:Sealing Performance

Product Material



Product Size

Unit:mm



Ordering Information

Accessories Optional



Locking Clip

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



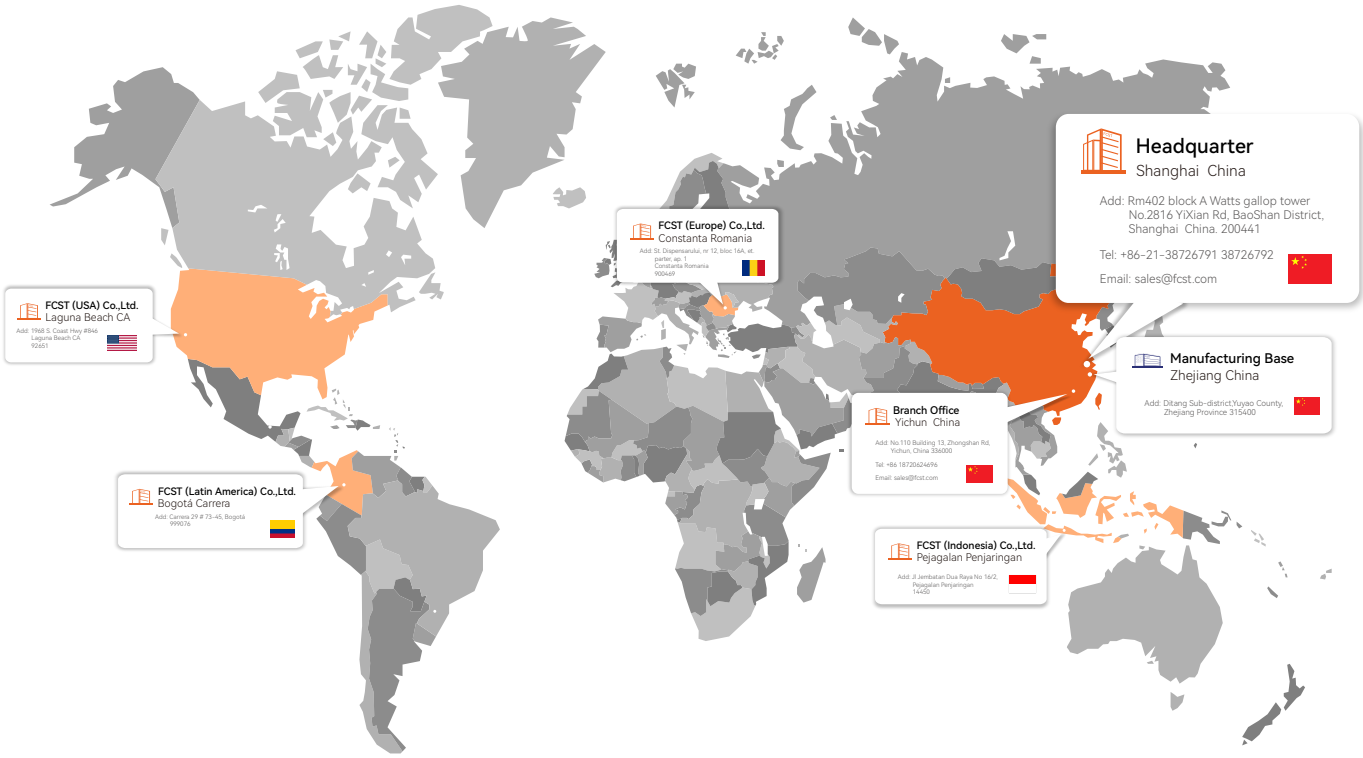
Marker Ball



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 durabili-ty.

FCST aspires to a more connected world, believing everyone deserves access to high-speed broadband. We're dedicat-ed 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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