



Better FTTx, Better Life.



December, 2025

Technical Information

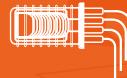
FCST-FMC17 SC Waterproof Field Assembly Fast Connector

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SC Waterproof Field Assembly Fast Connector

The FCST-FMC17 SC Waterproof Field Assembly Fast Connector is a high-performance, field-installable connector. It is designed for rapid deployment in fiber optic networks. It supports single-mode (SM) and multimode (MM) fiber applications, and offers a plug-and-play solution for telecommunications, data centers, and enterprise networks.



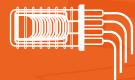
- Low insertion loss and high return loss.
- Cost effective solution for outdoor termination.
- Mechanical performance: IEC 61754-4 standard.
- IP68 water proof, dust proof and corrosion resistant.
- Applicable cable diameter: 2.0*3.0mm FTTH Drop Cable.

IP68



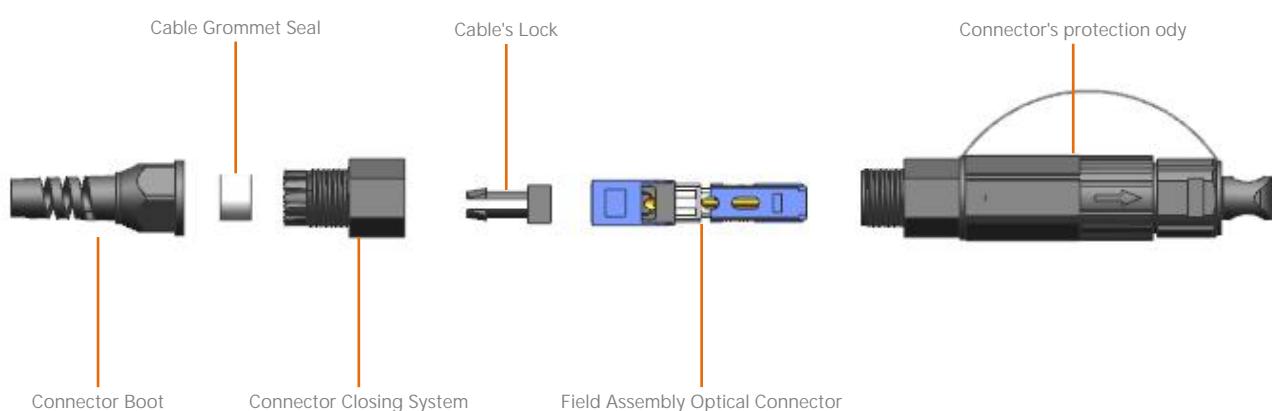
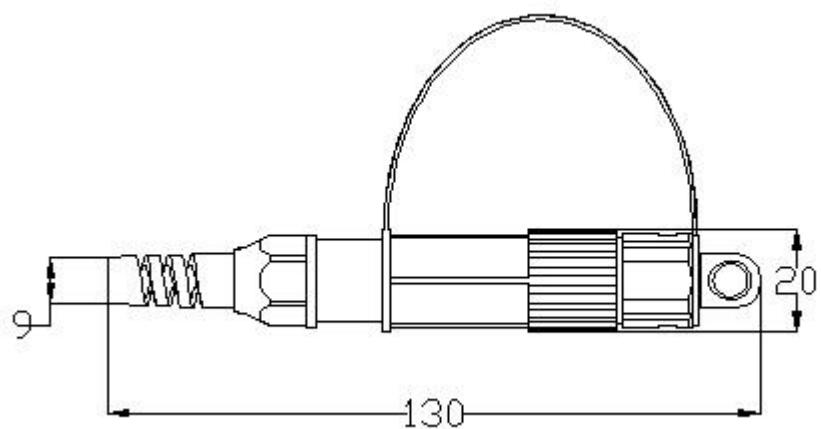
Product Specifications

Construction	Description
Fiber Cable	2.0*3.0mm rubber-insulated optical cable
Fiber Type	G.652D, G.657A2
Mode	SM&MM
Fiber Diameter	125um
Coating Diameter	250um
Waterproof Rating	IP68
Length	130mm 5.118in
Diameter	20mm 0.787in
Operation Time	About 50(no fiber cut)
Insertion Loss	Averagely: \leq 0.3dB, Max.: \leq 0.5dB
Return Loss	UPC \geq 50, APC \geq 55
Reusable Times	\geq 10 times
Tensile Strength	>45N
Temperature	-40~+85C
On-line Tensile Strength Test (20 N)	IL \leq 0.3dB
Mechanical Durability(500 times)	IL \leq 0.3dB
Drop-off test (drop-off height4m, once per direction, totally 3 times)	IL \leq 0.3dB



Product Structure

Unit:mm



Related Products



Optical Adaptor



Standard Fiber Patch Cables



PLC Splitter

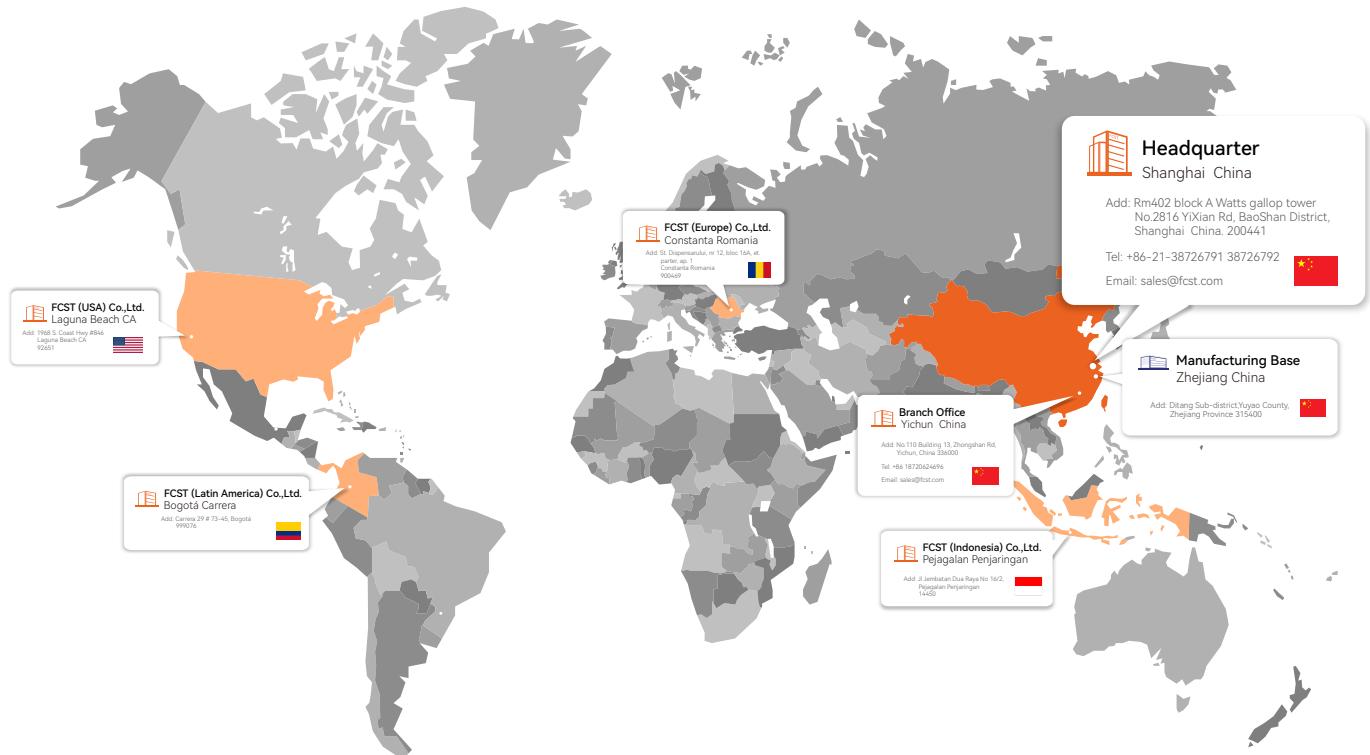


Fiber Access Terminal



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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