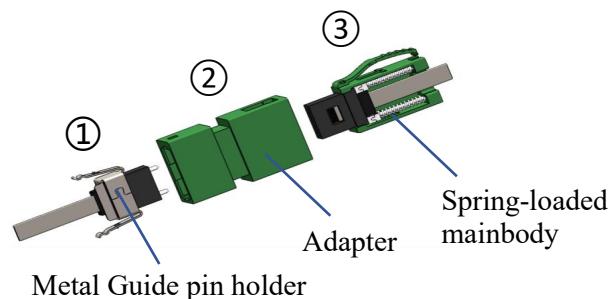


The MTC 3.0 is an MT-to-MT ferrule fiber optic connector featuring ultra-small size and high density. It consists of a metal guide pin holder, an adapter, and an spring-loaded mainbody.

The spring-loaded mainbody features a semi-enclosed, transparent design. It utilizes a bracket with dual-spring for more balanced spring force. The metal guide pin holder has handles on both sides for easy installation and removal.



Product Feature

- User-friendly design: semi-enclosed, transparent ferrule structure; will not fall off; fool-proof operation.
- Few parts: No tiny parts; the connector is extremely easy to assemble and disassemble, taking only seconds.
- Dual-spring structure: two guide pins with springs are mounted on the bracket, providing balanced elastic force without torque, enabling smooth ferrule insertion.
- Best optical performance: The ferrule is in an initially loose (suspended) state before mating, and the optical performance is the superior.
- Ultra-compact design with 1D array option, optimized for high-density applications.
- Optional specifications: 12-core and 16-core, 10N and 20N spring forces are available.

Technical Specification

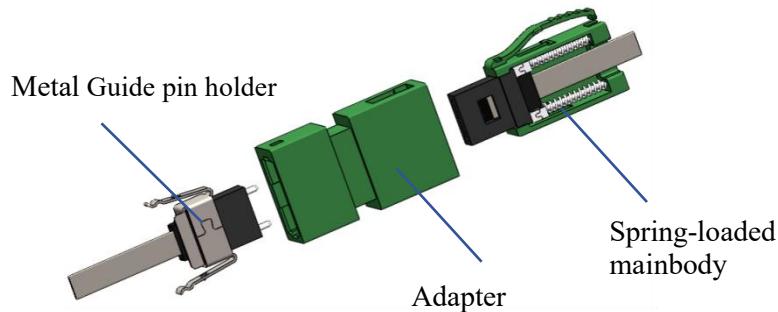
MTC 2.0	SM		MM			
	Standard Loss	Low loss	Standard Loss	Low loss		
Optical performance						
Insertion Loss(dB)	0.7	0.35	0.5	0.35		
Return Loss(dB)	≥ 60		≥ 20			
Repeatability(dB)	≤ 0.1					
Mechanical Performance						
Durability	>200					
Working temperature($^{\circ}\text{C}$)	$-40\text{--}85^{\circ}\text{C}$					
Storage temperature($^{\circ}\text{C}$)	$-40\text{--}85^{\circ}\text{C}$					

MTC3.0 Fiber Connector

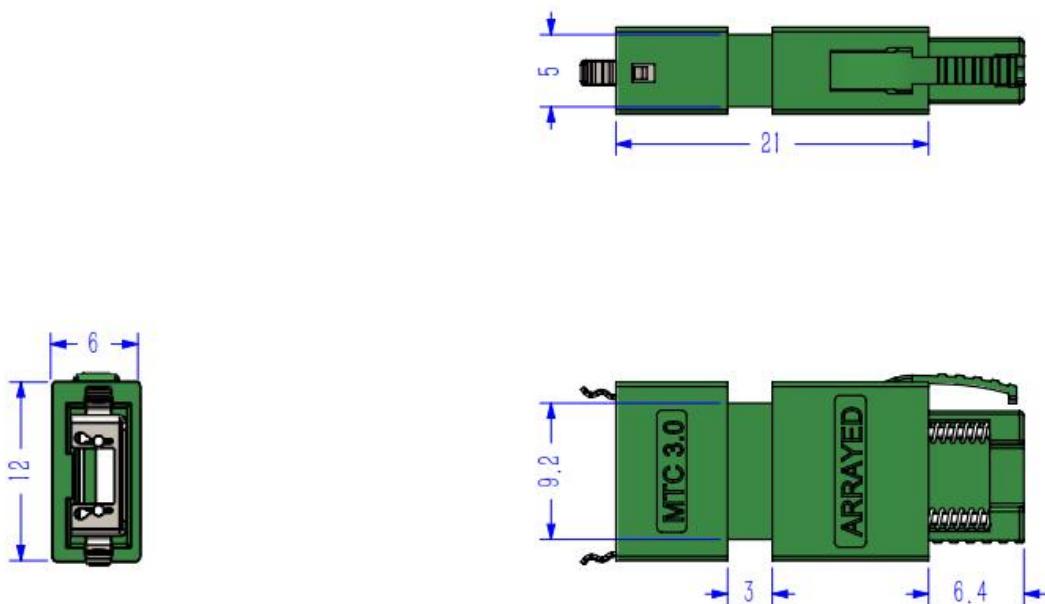
Ultra-Small, High-Density MT ferrule to MT ferrule connector

ARRAYEDFIBEROPTICS
莱塔思光学
Litas Optical Technologies

Product Structure



Product Size



Production Base: Building 39, No. 1111, Xiaojiajiang Middle Road, Xiaogang Street, Beilun District, Ningbo

Sales & R&D Center: D Building, 1st Floor, No. 289 Huafan Road, Dalang Subdistrict, Longhua District, Shenzhen
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Revised on October 30, 2025, V3 by Wenhua Zhao