

The Mechanical Field-Mountable Fiber Optic Connector (FMC) is designed to simple the connection without fusion splicing machine. This connector is quick assembly which requires only normal fiber preparation tools: cable stripping tool and fiber cleaver.

The connector adopts Fiber Pre-Embedded Tech with superior ceramic ferrule and aluminum alloyV-groove.. Also, transparent design of the side cover which allows visual inspection. It could be applied to drop cable and indoor cable.

### Application FTTx, Data Room Transformation



2.0\*3.0 cable



Φ 0.25 cable



Φ 0.9 cable



Φ 2.0 / 3.0 cable



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### Relevant Solutions

☑ Easy operating, The connector can be directly used in ONU, also with fasten strength more than 5 kg, it is widely used in FTTH project of network revolution. It also reduce the use of sockets and adapters, save cost of project.

☑ With 86 standard socket and adapter, the connector makes connection between drop cable and patch cord. The 86 standard socket provides complete protection with its unique design

### Technical specification

Item	Parameter
Cable Scope	$\Phi$ 3.0 mm & $\Phi$ 2.0 mm Cable $\Phi$ 0.9 invisible cable $\Phi$ 0.25 cable 2.0x3.0mm drop cable
Fiber Diameter	125 $\mu$ m ( 652 & 657 )
Coating Diameter	250&900 $\mu$ m
Mode	SM
Operation Time	about 2min ( exclude fiber presetting )
Insertion Loss	$\leq$ 0.5 dB ( 1310nm & 1550nm ) , Classic Value: 0.3dB
Return Loss	$\geq$ 50dB for UPC, $\geq$ 60dB for APC
Tensile Strength	>30 N/2min
Temperature	-40~+85 $^{\circ}$ C
Tensile Strength	>30N/2min
Mechanical Durability ( 500 times )	$\Delta$ IL $\leq$ 0.2 dB, $\Delta$ RL<5 dB
Drop Test (4m concrete floor, once each direction, three times total)	$\Delta$ IL $\leq$ 0.2dB



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