

FIBER OPTIC FIELD INSTALLABLE CONNECTORS

Techlogiks Fiber Optic Field Connectors is the most widely used fiber optic connector in FTTH (Fiber To The Home) cable connectors without polishing, that enables fast, on-site installation of 250um / 900um / 2.0mm / 3.0mm / 2.0mmX3.0mm connectors. The three pieces, preassembled connector can be installed in under a minute using a simple tool and recycled several times and accommodate a reliable and durable connection to optical network, especially suitable for advanced fiber optic systems requiring exceptional stability and low reflections.

Applications:

- Fiber optic distribution box, Fiber optic cabinet, Fiber optic terminal box.
- Fiber Face Plate, FTTH Outlets.
- Maintenance or Emergency restoration of fiber networks,
- Connection at the desk for LAN Environments

Features & Benefits:

- Fast on-site installation of 250um/900um/3.0mm/2.0mmX3.0mm connectors
- Can be installed even when you don't have access to power
- Can be installed in under a minute using a simple tool
- Can be recycled several times
- Accommodates a reliable and durable connection to optical network

SC Type



Specifications

Connector Type	SC (TIA/EIA 604-3)	
Ferrule Polishing type	Physical Contact type (PC) Angled Physical Contact type (APC)	
Fiber Type	Standard Single Mode Fiber type Multi Mode 50/125 & 62.5/125 Micron Fiber type (OM1, OM2, OM3, OM4)	
Cable type	3.0mm(Round) type 250um(Round) & 900um(Round) with Jig tool & fit tube(900um) 2.0mmX3.0mm(Flat) type	
Insertion Loss (IL)	Max. 0.5dB, Typ. 0.3dB	
Endurance	500times re-connection, IL Change : Less than 0.3dB	
Tensile Load	<250um/900um type> 0.5kg loading, IL Change : Less than 0.2dB <3.0mm, 2.0X3.0mm type> 2kg loading, IL Change : Less than 0.2dB	
Thermal Cycling	- 40°C ~ +75°C , 21times Cycling, IL Change : Less than 0.2dB	
	PC Type	APC Type
Ferrule Endface Radius (mm)	7~25	5~12
Fiber Undercut (nm)	Less than 100	Less than 100
Fiber Protrusion (nm)	Less than 100	Less than 100
Apex Offset (um)	Less than 50	Less than 50

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
TL-FCN-FI-SC-SM	SC/UPC Single Mode Field Installable Connector
TL-FCN-FI-SC/APC-SM	SC/APC Single Mode Field Installable Connector
TL-FCN-FI-SC-MM	SC/UPC Multi-Mode Field Installable Connector

LC Type



Specifications

Connector Type	LC (TIA/EIA 604-10)	
Ferrule Polishing type	Physical Contact type (PC) Angled Physical Contact type (APC)	
Fiber Type	Standard Single Mode Fiber type Multi Mode 50/125 & 62.5/125 Micron Fiber type (OM1, OM2, OM3, OM4)	
Cable type	2.0mm(Round) type 250um(Round) & 900um(Round) with Jig tool & fit tube(900um)	
Insertion Loss (IL)	Max. 0.5dB, Typ. 0.3dB	
Endurance	500times re-connection, IL Change : Less than 0.3dB	
Tensile Load	<250um/900um type> 0.5kg loading, IL Change : Less than 0.2dB <2.0mm type> 2kg loading, IL Change : Less than 0.2dB	
Thermal Cycling	- 40°C ~ +75°C , 21times Cycling, IL Change : Less than 0.2dB	
	PC Type	APC Type
Ferrule Endface Radius (mm)	7~25	5~12
Fiber Undercut (nm)	Less than 100	Less than 100
Fiber Protrusion (nm)	Less than 100	Less than 100
Apex Offset (um)	Less than 50	Less than 50

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
TL-FCN-FI-LC-SM	LC/UPC Single Mode Field Installable Connector
TL-FCN-FI-LC/APC-SM	LC/APC Single Mode Field Installable Connector
TL-FCN-FI-LC-MM	LC/UPC Multi-Mode Field Installable Connector