Field Installable Connector

Field Installing Connector is very easy installable and re-usable field assembly connector which the fiber can be connected/disconnected only by on/off of a small latch attached on connector body, which is composed of two parts of a connector body and a boot, it is designed to have the structure and the function to construct the more economic FTTH network.

Features

· The connecting tool is embedded in the product that does not require additional assembly tools
· This mechanical connection is easy to assemble using without additional power or practices.
· Its simple assembly process allows a beginner to assemble easily.
· Its convenient way of reconnecting the fibers reduces an error in the field.

Application

· FTTH end user termination.
· Patch panels
· Rapid repair of optical networks
· Direct equipment termination

Specification

Parameter	Specification`
Fiber Polishing Method	SPC Polish, APC Polish
Applicable fiber Diameter	Ø 250~900μm,□1.6x2.0,□2.0x3.0,Ø3.0mm(SM,MM50,MM62.5,MM10G)
Insertion Loss	Typ. ≤0.3 dB / Max. ≤0.5 dB
Return Loss	＞45dB (SM fiber SPC polish)
	＞50dB (SM fiber APC polish / When use with Flat cleaver)
	＞65dB (SM fiber APC polish / When use with Angled cleaver)
Operational Temperature	-40 ~ +85°C
Pull test	< 0.2dB, 4N load (0.125 fiber)
	< 0.2dB, 40N load (□2x3mm , Ø3.0mm)
Impact test	< 0.2dB, 1.5m, 10 repetitions
Durability test	< 0.2dB, 200 repetition of connecting/disconnecting
Vibrate test	< 0.2dB, 3 axes 2hr/axis,1.5mm(peak-peak),10 to 55Hz(45Hz/min)
Thermal Cycle test	< 0.2dB, -40 to 75℃, 21 cycles for 168 hours(3.0mm cable)
humidity test	< 0.2dB, 90 to 95％RH, Temp75℃ for 168hrs

Technical Drawing