

LP-FLXX2 FusionLess® 2 Optical Mechanical Connector

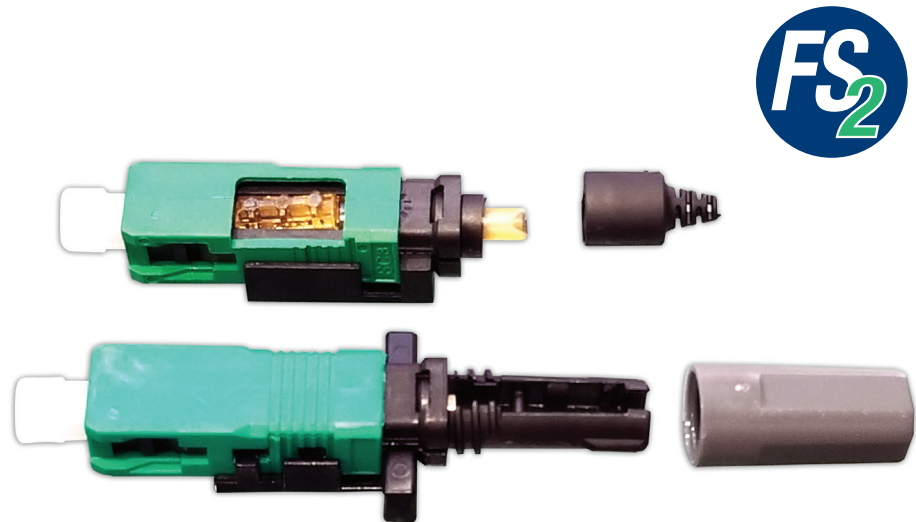
LPFLXX2_PFD_ENB01W

Features

- Quick and easy fiber termination.
- Available to re-use.
- High success rate of connection.
- Superior optical characteristic value.
- Simple assembly process.
- No failure after opening.

Applications

- Fiber Optic Telecommunication.
- Fiber Distribution Frame.
- FTTH Outlets.
- Optical Cable Interconnection.
- Cable Television.



LP-FLXX2 FusionLess® 2 Optical Mechanical Connector

The FusionLess® 2 Optical Mechanical Connectors by LanPro is the most widely used fiber optic connector in FTTx that does not need epoxy or polishing.

It enables fast and on-site installation of 250/900µm, 2.0mm, 3.0mm, 1.6 x 2.0mm and 2.0 x 3.0mm cable type connectors even when the user has no access to power. Two or three pieces of the preassembled and factory terminated connectors can be installed within 2 minutes using simple tools and can be recycled several times.

It accommodates a reliable and durable optical network especially suitable for advanced fiber optic systems requiring exceptional stability and low loss.

This connector pass all test under Telcordia GR326

A Connector Construction:**Fiber type:**

- **SM:** Standard Singlemode fiber type
- **MM:** Multi Mode 50/125 & 62.5/125 Micron fiber type (OM1, OM2, OM3, OM4)

Ferrule Polishing type:

- **PC type:** Physical Contact type
- **APC type:** Angled Physical Contact type

Connector type for using cable type:

- 3.0mm (Round) type
- 2.0mm (Round) type
- 2.0mm X 3.0mm (Flat) type
- 1.6mm X 2.0mm (Flat) type
- 250μm&900μm (Round) type

B Product Specifications:

Item	Specification
Standard	TIA/EIA 604-3
Insertion Loss	Typ. 0.3dB / Max. 0.5dB
Return Loss	>50dB(PC), >55dB(APC)
Endurance	500 times reconnection / ≤0.2dB
Tension	(3.0mm, 2.0mm x 3.0mm) 4.0kg / ≤0.2 dB change (2.0mm, 1.6mm x 2.0mm) 2.0kg / ≤0.2 dB change (250μm&900μm) 0.75kg / ≤0.2 dB change
Temperature Change	21 time / -40°C ~ 85°C / ≤ 0.2 change

End Face Geometry	PC Type	APC Type
Radius of Curvature (nm)	7~25	5~12
Apex Offset (um)	Less than 50	Less than 50
Fiber Height (nm)	±50	±50
Tilt Error on APC 8'	None	±0.2

How to Order:

LP-FLCCMMDBE

LP-FL	CC	MM	
FusionLess® Optical Connector Field Installable	Connector type SC: Connector SC LC: Connector LC	Fiber Mode and type M1: Multimode OM1 IEC 60793-2-10 Type A1b 62.5/125µm M2: Multimode OM2 IEC 60793-2-10 Type A1a.1 50/125µm M3: Multimode OM3 IEC 60793-2-10 Type A1a.2 50/125µm M4: Multimode OM4 IEC 60793-2-10 Type A1a.3 50/125µm S1: Singlemode ITU-T G.652.D Type B1.3 9/125µm	
D	P	B	E
Fiber cable diameter 1: 0.9mm 2: 0.25mm 3: Both 0.9 and 0.25mm 4: 2.0mm 5: 3.0mm 6: 2x3 and 1.6x2 mm GPON 7: Universal	Color Housing 1: Blue (SM) 2: Green (APC) 3: Black (OM2) 4: Beige (OM1) 5: Aqua (OM3/OM4)	Boot 1: Standard	Line Blank: FusionLess® EasyFit (Standard) line P: Premium line 2: FusionLess® 2 line

Examples:

LP-FLSCS11112	FusionLess® 2 Connector, SC, Singlemode, PC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter 0.9mm, Blue Housing
LP-FLSCS16212	FusionLess® 2 Connector, SC, Singlemode, APC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter 2x3mm and 1.6x2mm, Green Housing
LP-FLSCS17212	FusionLess® 2 Universal Connector, SC, Singlemode, APC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter 2x3mm, 1.6x2mm and round cable, Green Housing