

LP-FLLCXX FusionLess® LC Optical Mechanical Connector

LPFLLCXX_PFD_ENB01W

Features

- Low insertion loss mechanical connector, equivalent to fusion technology.
- Reusable, a unique feature not found in similar designs.
- Fast installation in less than 2 minutes per point.
- Special tools needed are a fraction of the cost of those needed in fusion technology.
- No epoxy.
- No polishing.
- Pre-assembled.
- All tools available from LanPro.
- Excellent performance versus price ratio.
- 15 years life in operation.
- Made in Japan under strict quality procedures.



LP-FLLCXX FusionLess® LC Optical Mechanical Connector

The FusionLess® Optical Mechanical Connector by LanPro is a pre-polished, pre-assembled mechanical connector compatible with the standard LC connector.

In place of epoxy, an internal mechanical grip gently but effectively holds the fiber in place and can be installed in under two minutes. Without polishing or adhesives, the FusionLess® Optical Connector makes installations quick and easy, eliminating the need for epoxy curing and hand polishing at the work site.

The FusionLess® Optical Mechanical Connector comes with an assembling jig and fiber holder, making for an accurate alignment and fiber cleave when terminating the connector.

A Characteristics

Item	Fiber Type	Conditions	Specification	
			PC	APC
Insertion Loss	SM	1310 nm	Typical. 0.2dB Max. 0.5dB	Typical. 0.3dB Max. 0.75dB
	MM(62.5) MM(50) MM(50)[OM3] MM(50)[OM4]	1310 nm	Typical. 0.1dB Max. 0.3dB	---
Return Loss	SM	1310 nm	Typical. 55dB Min. 40dB	Typical. 60dB Min. 50dB
	MM(62.5) MM(50) MM(50)[OM3] MM(50)[OM4]	1310 nm	Typical. 35dB Min. 22dB	---
Qualification			TIA/EIA 568-C.3	

B Specifications

Applicable Fiber		
Fiber	SM	Complied with ITU-T G.652.B, G.652.D, G.657.A1 and G.657.A2
	MM(62.5)	Complied with IEC60793-2-10 A1b(OM1)
	MM(50)	Complied with ITU-T G.651.1, IEC60793-2-10 A1a.1(OM2) and IEC60793-2-10 A1a.2(OM3), IEC60793-2-10 A1a.3(OM4)
Allowable fiber diameter		
Fiber type	250+/-15 y 900+/-50µm.	
Cord type	Diameter: 1.6+/-0.2mm, 2 +/-0.2mm, 2.8+/-0.2 mm. Thickness of the outer sheath (cord): min. 0.15mm, max. 0.3mm	
Configuration		
Fiber type	250µm coated fiber and 900µm tight buffered fiber.	
Cord type	0.9+/-0.05mm *Optical cord with 900um tight buffered fiber.	
Intermateability		
LC type connector	IEC61754-20	
Inserting fiber cleaver		
Flat cleaver is required. Built in fiber of APC type is angle cleaved		
Temperatura de Operación		
Operating temperature depends on the operating temperature range of the fiber.		
Fiber type	-40 °C to 75 °C	
Cord type	-25 °C to 70 °C	

C How to Order

LP-FLCMMDPBE

LP-FL	FusionLess® Optical Connector Field Installable
CC	Connector type SC: SC Connector LC: LC Connector
MM	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	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
P	Color Housing 1: Blue (SM) 2: Green (APC) 3: Black (OM2) 4: Beige (OM1) 5: Aqua (OM3/OM4)
B	Boot Color 1: White
E	Line Bianco: FusionLess® EasyFit (Standard) line P: Premium line

Examples:

Part Number	Description
LP-FLLCS1311	FusionLess® EasyFit Connector, LC, Singlemode, PC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter both 0.9mm mm and 0.25 mm, Blue Housing, White boot.
LP-FLLCS1321	FusionLess® EasyFit Connector, LC, Singlemode, APC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter both 0.9mm mm and 0.25 mm, Green Housing, White boot.
LP-FLLCM2331	FusionLess® EasyFit Connector, LC, Multimode, OM2 IEC 60793-2-10 Type A1a.1 50/125µm, Fiber cable diameter both 0.9mm mm and 0.25 mm, Black Housing, White boot.
LP-FLLCM1341	FusionLess® EasyFit Connector, LC, Multimode, OM1 IEC 60793-2-10 Type A1b 62.5/125µm, Fiber cable diameter both 0.9mm mm and 0.25 mm, Beige Housing, White boot.
LP-FLLCM3351	FusionLess® EasyFit Connector, LC, Multimode, OM3 IEC 60793-2-10 Type A1a.2 50/125µm, Fiber cable diameter both 0.9mm mm and 0.25 mm, Black Housing, White boot.
LP-FLLCS1621	FusionLess® EasyFit Connector, LC, Singlemode, APC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable size 2x3 and 1.6x2 mm GPON, Green Housing, White boot.
LP-FLLCM1141	FusionLess® EasyFit Connector, LC, Multimode, OM1 IEC 60793-2-10 Type A1b 62.5/125µm, Fiber cable diameter 0.9mm, Beige Housing, White boot.

LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice.