

LP-FLSCXX FusionLess® SC Optical Mechanical Connector

LPFLSCXX_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-FLSCXX FusionLess® SC Optical Mechanical Connector

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

SPECIFICATION	SINGLEMODE (Typical)	MULTIMODE
Insertion Loss	0.2 dB (PC) and 0.3 dB (APC)	0.1 dB
Return Loss	-55 dB (PC), -60 dB (APC)	-35 dB
Durability	< 0.1 dB change, 500 matings	
Operating Temperature	-40°C to +75°C	
Tensile	TIA/EIA 568-B.3	
Intermateability	IEC 61754-4	

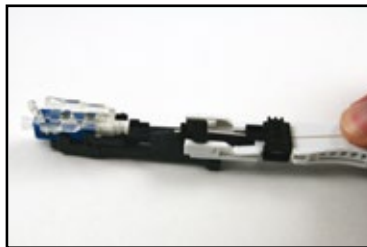
A Assembly Procedure

- No Epoxy
- No Polishing

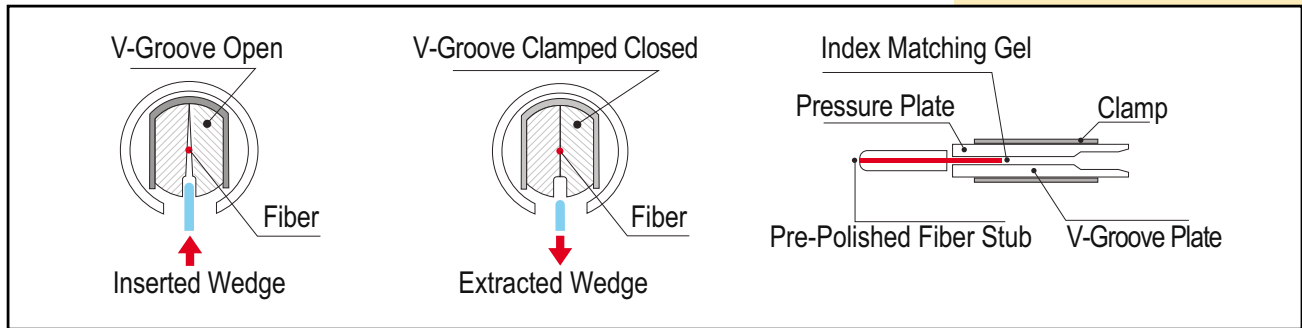
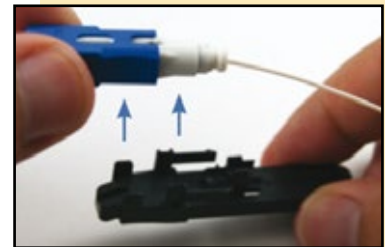
1 Cutting Fiber



Inserting Fiber



Take Out Connector



B How to Order

LP-FLCCMMDPBE

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
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 6x2 mm GPON	Color Housing 1: Blue (SM) 2: Green (APC) 3: Black (OM2) 4: Beige (OM1) 5: Aqua (OM3/OM4)	Boot Color 1: White	Line Blank: FusionLess® EasyFit (Standard) line P: Premium line

B How to Order**Examples:**

LP-FLSCS1311	FusionLess® EasyFit Connector, SC, Singlemode, PC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter both 0.9m mm and 0.25 mm, Blue Housing, White boot.
LP-FLSCS1321	FusionLess® EasyFit Connector, SC, Singlemode, APC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter both 0.9m mm and 0.25 mm, Green Housing, White boot.
LP-FLSCM2331	FusionLess® EasyFit Connector, SC, Multimode, OM2 IEC 60793-2-10 Type A1a.1 50/125µm, Fiber cable diameter both 0.9m mm and 0.25 mm, Black Housing, White boot.
LP-FLSCM1341	FusionLess® EasyFit Connector, SC, Multimode, OM1 IEC 60793-2-10 Type A1b 62.5/125µm, Fiber cable diameter both 0.9m mm and 0.25 mm, Beige Housing, White boot.
LP-FLSCM3351	FusionLess® EasyFit Connector, SC, 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-FLSCS1621	FusionLess® EasyFit Connector, SC, 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.