

LP-FLSCXX2 FusionLess® 2 Optical Mechanical Connector SC

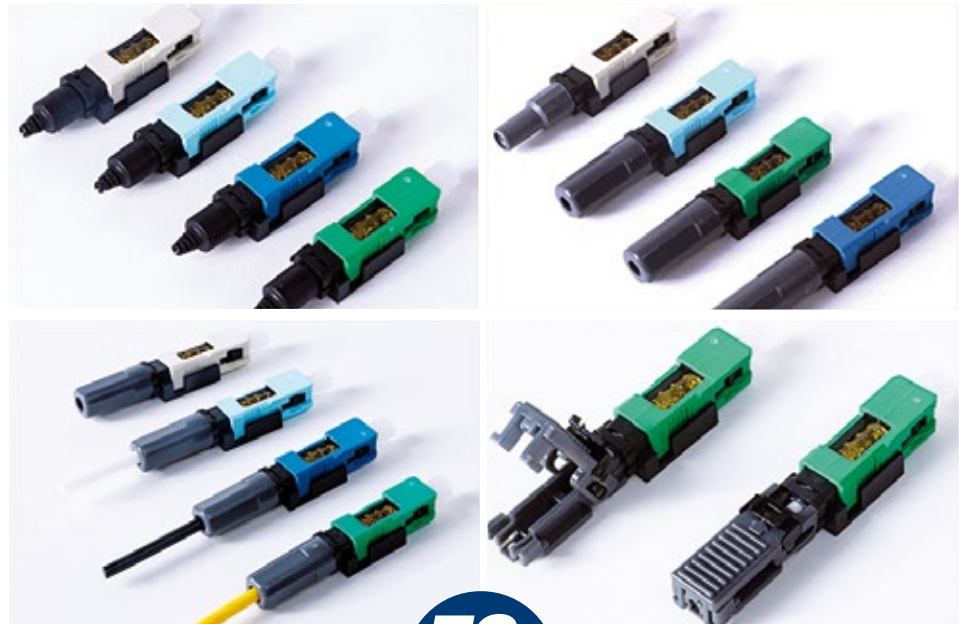
LPFLSCXX2_PFD_ENB01W

Features

- Quick and easy fiber termination.
- Reusable termination capability (up to 5 times).
- 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-FLSCXX2 FusionLess® 2 Optical Mechanical Connector SC

The FusionLess® 2 Optical Mechanical Connectors by LanPro is designed for fast and simple field termination of FTTH Drop cable and Indoor cables without any extra manufacturing process like polishing and epoxy on the ferrule. The FusionLess® 2 is made with high precision and quality zirconia ferrule and provide a highly reliable connection in most of the fiber optic network application.

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:

- **UPC 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

Characteristics	Condition	Unit	Value		
			Min	Mean	Max
Insertion Loss	UPC	dB	---	0.30	0.50
	APC	dB	---	0.30	0.50
Perdida de Retorno	UPC	dB	50.0	53.0	---
	APC	dB	55.0	62.0	---

C Specifications

Parameter	Unit	UPC/APC	Reference
Radius of Curvature	mm	7~25 / 7~12	GR-326-CORE 4.4.5 Geometry Requirement.
Dome Offset(Max)	um	50 / 50	
Undercut or Protrusion (Max)	nm	-125~50 / -100~100	

D End Face Management

Zones	Scratches	Defects	Reference
Core (0 to 25um)	None	None	IEC 61300-3-35
Cladding (25 to 120um)	No limit : <= 3um None : > 3um	No limit : < 2um Five : from 2 to 5um None : > 5um	
Adhesive (120 to 130um)	No limit	No limit	
Contact (130 to 250um)	No limit	None : >=10um	

C How to Order

LP-FLCCMMDPBE

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

Examples

LP-FLLCS11112	FusionLess® 2 Connector, SC, Singlemode, PC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter 0.9mm, Blue Housing, White boot.
LP-FLLCS15212	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, White boot.
LP-FLSCS15212	FusionLess® 2 Connector, SC, Singlemode, APC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter 3mm , Green Housing, White boot.