LP-FLSCXX2SE
FusionLess® 2 SC Optical Mechanical Connector. Extended

LPFLSCXX2SE_PFD_ENB01W

Features

- Quick and easy fiber termination.
- Available to reuseable.
- High success connection rate.
- Superior optical characteristic values.
- Simple assembly process.
- No failure after opening.

Applications

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

The universal type requires a protective tube as a separate option.

LP-FLSCXX2SE
FusionLess® 2, SC Optical Mechanical Connector. Extended

The FusionLess® 2 Optical Mechanical Connectors (Field Connector) by LanPro is a widelyused termination on FTTx applications that doesn't require epoxy or polishing.

It enables fast and on-site installation of 250µm, 900µm, 2mm, 3mm , 2x3mm (Drop) without another tool than a quality cleaver.

No need of external power or special jigs. Two or three pieces of the preassembled and factory terminated connectors can be installed within 2 minutes using simple tools and can be terminated more than once. (*reusable).

It accommodates a reliable and durable optical network termination especially suitable for advanced fiber optic systems requiring exceptional stability and low loses. Special ceramics and very tight tolerances made this product especially attractive and way more professional than cheap counterparts.

The Universal model comes ready to use with loosetube fiber (250nm) via a small buffer tubing including in the zipbag.

Also comes with adapters to be used with 2mm and 3mm zipcords. Naturally can take drop cable (rectangular 3x2mm cable). On top of that, also can take the 900um (0.9mm) used on tightbuffer distribution optical cables.

All of this without sacrifice on performance or mechanical reliability. You may handle almost any scenario with just one product.

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:

Item	Specification
Standard	TIA / EIA 604-3 (SC)
Insertion Loss	Typ. 0.3dB / Max. 0.5dB
Return Loss	>45dB (UPC), >55dB (APC)
Endurance	500 times reconnection / ≤ 0.3dB
Tension	(3.0mm, 2.0mm, 1.6mm X 2.0mm, 2.0mm X 3.0mm) 3.0kg / ≤ 0.2dB change (250μm&900μm) 0.75kg / ≤ 0.2dB change
Temperature Change	21 times / -40°C ~ +75°C / ≤ 0.3dB change

End Face Geometry	UPC Type	APC Type
Radius of Curvature (nm)	7~25	5~12
Fiber Undercut (nm)	Less than 100	Less than 100
Fiber Protrusion (nm)	Less than 100	Less than 100
Apex Offset (μm)	Less than 50	Less than 50

How to Order:

LP-FLCCMMDPBEL

SEE: KOUSA23

LP-FL	CC	MM		
FussionLess® Optical Connector Field Installable	**Connector type:** **SC:** Connector SC	**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**	**L**
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:** **2:** FusionLess® 2 line	**SE:** Special Extended

Examples:

LP-FLSCS11112SE	FusionLess® 2 Connector, SC, Singlemode, UPC Polish, ITU-T G.652.D Type B1.3 9/125µm, Fiber cable diameter 0.9mm, Blue Housing. Extended
LP-FLSCS16212SE	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. Extended
LP-FLSCS17212SE	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. Extended