



LIIN25 Mechanical Splice



Features

- Quick and easy to install, a splice takes less than 30 seconds once the fiber is stripped and cleaned
- No special tools required, installers only need a standard FO toolkit.
- One Single solution for both 250 and 900µm.
- Available for both Singlemode and Multimode fiber.
- Insertion losses are comparable to fusion splicing (typically less than 0.1dB)
- RoHS and UL-94-V0 compliant
- Environmentally friendly, adhesive free solution (V-groove technology)
- Reliable and easy to install due to a unique and accurate, fiber centering feature.
- Best alternative for quick repairs and where fusion splicing is un-economical.
- Indispensable in situations where fusion splicing cannot be used (risk of explosion and combustion).

Standards of reference and applications

- Telecommunication, LAN, WAN, FTTx Cabling, CCTV
- ITU.T G652.D, ISO/IEC 11801, EIA/TIA 568 B.3, IEC60874, IEC EN 61754-4, EN 61754-20, EN 61755-3-2, EN 61755-2-2/B, EN 61755-2-2/1, EN-50173-1

Installation Features

Store at +10 to +50 °C

Install at 0 to +50 °C

Operate at : -40 to +70 °C

Short term max. pulling tension : 6.0N

Long term max. pulling tension : 3.0N

Installation manual : [click here to download the installation manual](#)

Specification

Parameter	Unit	Measures
Dimensions	(HxWxD) mm	40x5x4
Cable type	-	Singlemode and multimode, 250/ 900µm
Insertion loss	db	Typical ≤ 0.1, Maximum ≤ 0.3
Return loss	db	>50
Splice method	-	V-groove adhesive free
Materials used	-	UL rated plastics and index matching gel
Colour	-	Black
Packaging	-	5 pieces/ pack
Product life	-	Over 25 years

Ordering and delivery information

Fiber count	P/N	Packaging
1 - Simplex 250/900µm	FMS1	5 pcs / bag

Recommended connectivity

Cleaver: APS type CLEA01F

Cables : APS LIIN-25 series

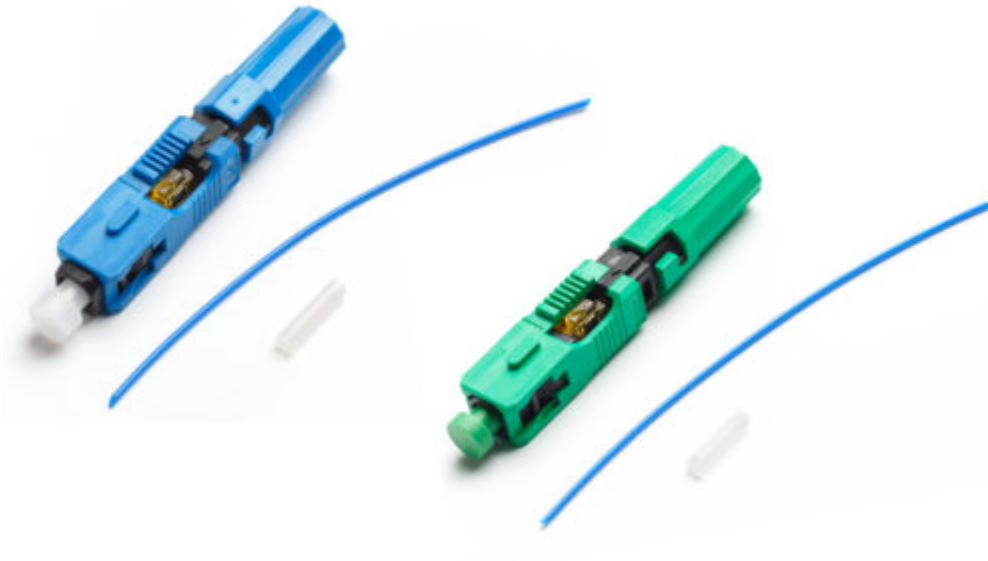
Adapters : APS LIIN-25 series

Patch Panels : APS LIIN-25 series

Extended System Warranty

The APS System Warranty assures the compliance of the system performance to the applicable class of cabling for a period of 25 years. The warranty may be applied for by an accredited APS Partner who has designed and/or installed the entire system. Learn about APS System Warranty from here.

Every effort has been put so that this document is most reliable and free from errors. However, AP Solutions Oy cannot be considered responsible for any mistake in this document and users should consult AP Solutions Oy for any information needed. AP Solutions Oy reserves the right to make changes to the documents at any time, without prior notice.



LIIN25 Quick Assembly Connectors, Embedded type (YFE)



Features

- Single Mode and Multi Mode
- SC and LC interfaces
- UPC and APC end face finish
- Less than a minute on-site installation, no splice equipment needed
- Available for cable up to 3.0mm
- provides a reliable and durable optical connection
- Can be reassembled
- especially suitable for advanced fibre optic systems requiring stability and low back reflections.

Standards of reference and applications

- Telecommunication, LAN, FTTx Cabling, CCTV
- ITU.T G652.D, ISO/IEC 11801, EIA/TIA 568 B.3, IEC60874, IEC EN 61754-4, EN 61754-20, EN 61755-3-2, EN 61755-2-2/B, EN 61755-2-2/1, EN-50173-1

Installation Features

Store at +10 to +50 °C

Install at 0 to +50 °C

Operate at : -40 to +70 °C

Short term max. pulling tension : 20N

Long term max. pulling tension : 20N

Installation manual : [Click here to download the installation manual for SC interface.](#)

Specification

Parameter	Unit	SC connector	LC connector
Connection type	-	V-groove technology	V-groove technology
Ferule polishing type	-	PC/UPC/APC	PC/UPC/APC
Fibre type	-	Single and Multi mode	Single and Multi mode
Cable diameter	mm	2.0 / 3.0mm	2.0 / 3.0mm
Insertion loss (typical)	dB	≤0.3	≤0.3
Insertion loss (maximum)	dB	0.5	0.5
Return loss (typical)	dB	≥50	≥50
Temperature Alteration Ratio	dB	≤0.5 (-40/+70°C)	≤0.5 (-40/+70°C)

Colour code

	SM UPC	SM APC	MM OM1	MM OM2	MM OM3
Connector colour	Blue	Green	Beige	Beige	Aqua

Ordering and delivery information

Fiber count	P/N	Packaging
1 - Simplex	FQC xxx oo a YFE	10 pcs / bag

xxx = fiber type = OS2 (for G652D), 7A1 (for G657A1), OM1, OM2, OM3

oo = connector type = SC, LC

a = U for UPC, A for APC

ca = 09 for 0.9mm fiber, 20 for 2.0mm cable, 30 for 2.0mm cable, FA for flat cable,

Recommended connectivity

Cleaver: APS type CLEA01F

Cables : APS LIIN-25 series

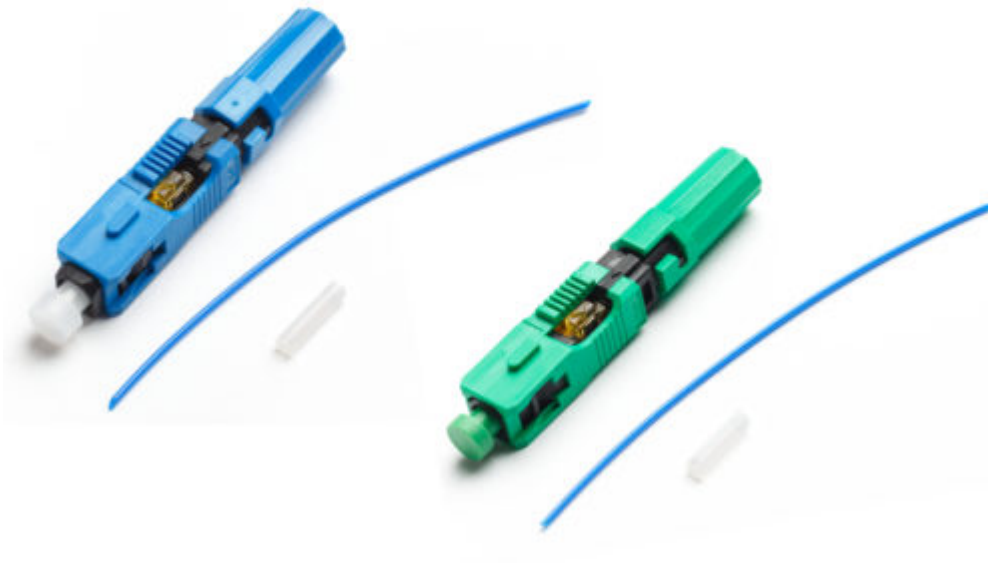
Adapters : APS LIIN-25 series

Patch Panels : APS LIIN-25 series

Extended System Warranty

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LIIN25 Quick Assembly Connectors, Straight type (OPS)



Features

- Single Mode and Multi Mode
- SC and LC interfaces
- UPC and APC end face finish
- Less than a minute on-site installation, no splice equipment needed
- Available for 250 or 900um fibre, 2.0 3.0mm or flat cable
- can be installed in under a minute and re-used several times
- provides a reliable and durable optical connection
- especially suitable for advanced fibre optic systems requiring stability and low back reflections.

Standards of reference and applications

- Telecommunication, LAN, FTTx Cabling, CCTV
- ITU.T G652.D, ISO/IEC 11801, EIA/TIA 568 B.3, IEC60874, IEC EN 61754-4, EN 61754-20, EN 61755-3-2, EN 61755-2-2/B, EN 61755-2-2/1, EN-50173-1

Installation Features

Store at +10 to +50 °C

Install at 0 to +50 °C

Operate at : -40 to +70 °C

Short term max. pulling tension : 6.0N

Long term max. pulling tension : 3.0N

Installation manual : [Click here to download the installation manual for SC interface.](#)

Specification

Parameter	Unit	SC connector	LC connector
Connection type	-	V-groove technology	V-groove technology
Ferule polishing type	-	PC/UPC/APC	PC/UPC/APC
Fibre type	-	Single and Multi mode	Single and Multi mode
Cable diameter	mm	Round - 900µm, 2.0mm, 3.0mm, flat cable	Round - 900µm, 2.0mm, 3.0mm, flat cable
Insertion loss	dB	Typical 0.3	Typical 0.1
Return loss (typical)	dB	UPC = 50, APC = 55	UPC = 50, APC = 55

Colour code

	SM UPC	SM APC	MM OM1	MM OM2	MM OM3
Connector colour	Blue	Green	Beige	Beige	Aqua

Ordering and delivery information

Fiber count	P/N	Packaging
1 - Simplex	FQC xxx oo a cc OPS	10 pcs / bag

xxx = fiber type = OS2 (for G652D), 7A1 (for G657A1), OM1, OM2, OM3

oo =connector type = SC, LC

a = U for UPC, A for APC

ca = 09 for 0.9mm fiber, 20 for 2.0mm cable, 30 for 2.0mm cable, FA for flat cable,

Recommended connectivity

Cleaver: APS type CLEA01F

Cables : APS LIIN-25 series

Adapters : APS LIIN-25 series

Patch Panels : APS LIIN-25 series

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