



Data Center Solution



FTTH Solution



Discover the difference
Unlike any other!

Data Center Solution

PREMIUM PERFORMANCE GUARANTEED

Swift solution allows on-site field termination for long cable and enables fast and simple installation.

- No cable slack is required
- Quick delivery available in a week
- 3-minute field replacement of broken connectors



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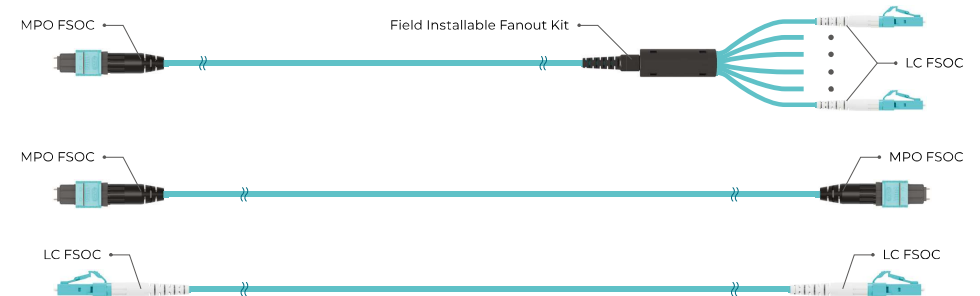
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Publication date. 2020/06

Design and specifications are subject to change without notice.



KR12A

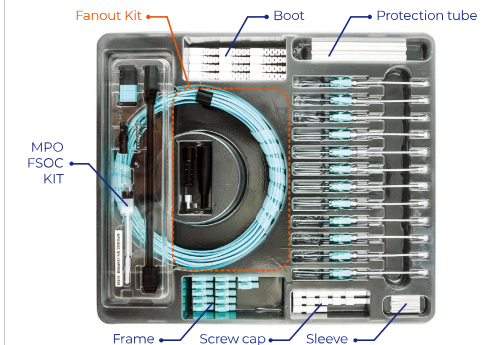


Patented
★★★★★
PREMIUM
FUSION SPLICER
★★★★★

ALL IN ONE
ARC FUSION SPLICER

MPO to LC Fanout Kit

Patent pending



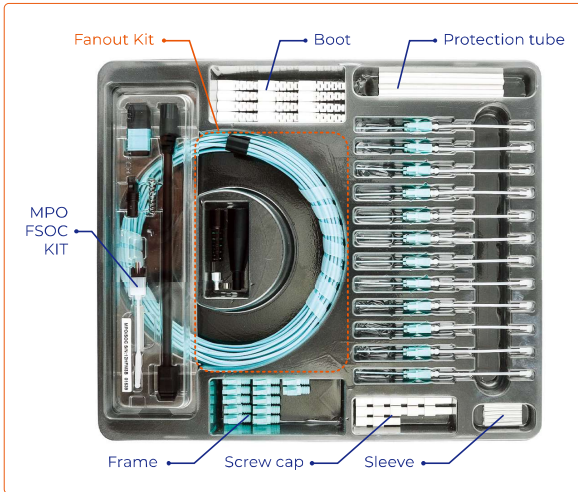
Swift installation solution for long cable Over 40G

Field termination of MPO to LC Fanout

Premium performance guaranteed
USCONEC MTP Ferrule used exclusively

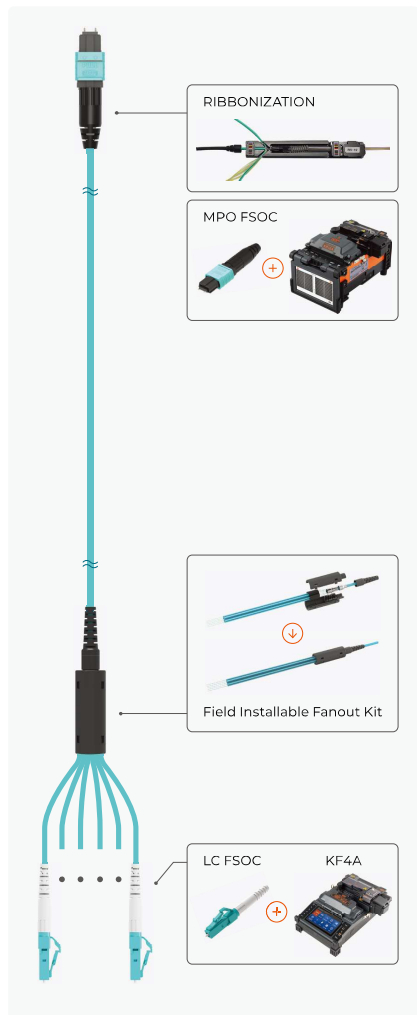
MPO to LC Fanout Kit

Patent pending



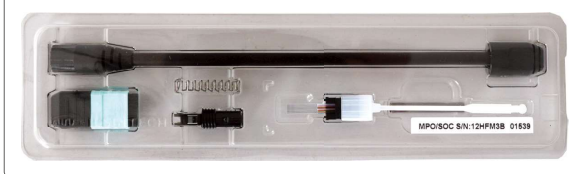
Installation procedure

1. Pull and place a long cable
2. Field installation of MPO FSOC
3. Assembly of field-installable fanout kit
4. Field installation of LC FSOCs



4, 8 and 12 types available

MPO FSOC Kit



Ordering Information

Connector types
P: Pin type (Male)
H: Hole type (Female)

Polishing types for single fiber
U: UPC
A: APC

Fiber types
M3: OM3
M4: OM4
S1: OS1

FIK-MPO/LCU 12PFM3-05

FIK
Field installable
Kit

of Fibers
04, 08, 12

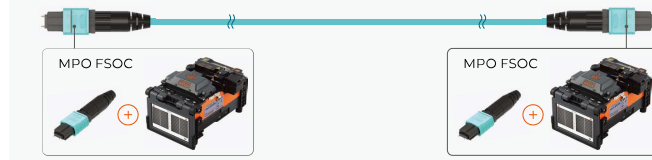
Breakout
length
0.5m

Connector types
for single fiber
LC, SC

Polishing types
F: Flat polishing
A: Angled polishing

Field termination of MPO to MPO

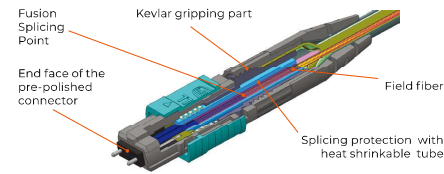
Premium performance guaranteed
USCONEC MTP Ferrule used exclusively



Installation procedure of MPO to MPO

1. Pull and place a long cable
2. Field installation of MPO FSOCs

MPO Fusion Splice-on Connector



Specifications

Connector Types	Polishing Types	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Return Loss (dB)
MPO(MM)	Flat	0.15	0.35	≥20
MPO(SM)	APC	0.15	0.35	≥60

Ordering Information

MPO/SOC 12PFM3R

of Fibers: 08, 12

Connector types
P: Pin Type (Male)
H: Hole Type (no Pins, Female)

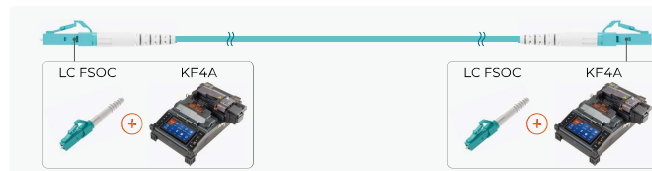
Fiber types
M1: OM1 / M2: OM2
M3: OM3 / M4: OM4
S1: OS1 / S2: OS2
SM: Specify the fiber types if required

Jacket Types
R: 3.0mm Round
B: Bare Ribbon Fiber
S: Stub only

Polishing types
F: Flat Polishing
A: Angled Polishing

Field termination of LC to LC

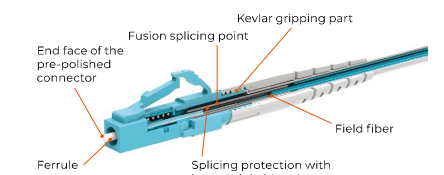
Premium performance guaranteed



Installation procedure of LC to LC

1. Pull and place a long cable
2. Field installation of LC FSOCs

LC Fusion Splice-on Connector



Specifications

Connector Types	Polishing Types	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Return Loss (dB)
LC(SM)	UPC/APC	0.15	0.3	≥55(UPC) ≥65(APC)
LC(MM)	UPC	0.15	0.3	

Ordering Information

LC/SOC SUM3-20

Connector types
LC:LC
SC:SC

Cable types
S: Simplex
D: Duplex

Fiber Types
M1: OM1 / M2: OM2
M3: OM3 / M4: OM4
S1: OS1 / S2: OS2
SM: Specify the fiber types if required

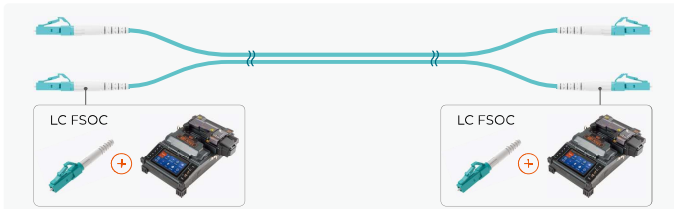
Polishing types
U: UPC
A: APC

Jacket Types
09: 0.9mm
20: 2.0mm Round

Swift installation solution for long cable 10G

Premium performance guaranteed

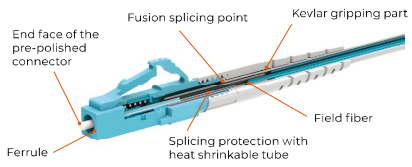
Field termination of LC to LC or SC to SC



Installation procedure of LC to LC or SC to SC

1. Pull and place a long cable
2. Field installation of LC FSOCs or SC FSOCs

LC Fusion Splice-on Connector

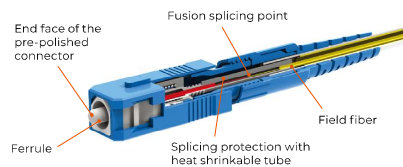


Estimated connector loss: Connector loss (typ. 0.1dB) + Fusion splicing loss (typ. 0.02dB)

LC SOC

Specifications				
Connector Types	Polishing Types	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Return Loss (dB)
LC(SM)	UPC/APC	0.15	0.3	≥55(UPC) ≥65(APC)
LC(MM)	UPC	0.15	0.3	

SC Fusion Splice-on Connector



Estimated connector loss: Connector loss (typ. 0.1dB) + Fusion splicing loss (typ. 0.02dB)

SC SOC

Specifications				
Connector Types	Polishing Types	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Return Loss (dB)
SC(SM)	UPC/APC	0.15	0.3	≥55(UPC) ≥65(APC)
SC(MM)	UPC	0.15	0.3	

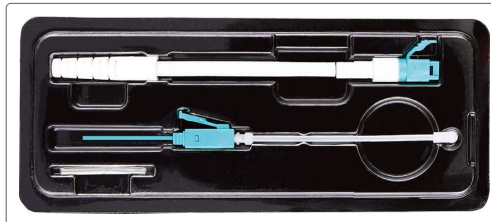
KF4A

No scratches and physical damage on fiber by the built-in thermal stripper

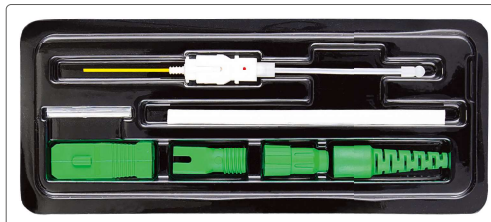


ALL IN ONE
ARC FUSION SPLICER

LC FSOC package



SC FSOC package



Issues for the conventional installation

1. Cable assemblies with desired lengths required
2. Re-installation required if short
3. Space for cable slack required
4. Longer delivery – About a month



Perfect Solution

Installation with FSOC

1. No cable slack required
2. Quick delivery available in a week
3. No re-installation required

Advantages of Fusion Splice-On Connector

1. Quality (25 years guaranteed)

- 1) No scratches and no physical damage on fiber stripped by the built-in thermal stripper
- 2) Quality guaranteed for the fusion splice-on connector with premium performance

2. Cost reduction and fast installation time

- 1) The fusion splice-on connector allows on-site field termination with the desired length of cable and enables a fast installation to save time.
- 2) No additional storage required for cable slack and no splice tray required for protection of fusion splicing points.

3. Best options for repair, restoration and maintenance

- 1) Most of problems and defects for the cable assemblies come from the connectors.
- 2) Easy replacement available for the malfunctioned connectors
- 3) The replacement of a new cable assembly requires longer time and the space for the cable storage is required for cable slack.



The example of Fusion Splice-On Connector before and after application

Data Center Cable Assemblies

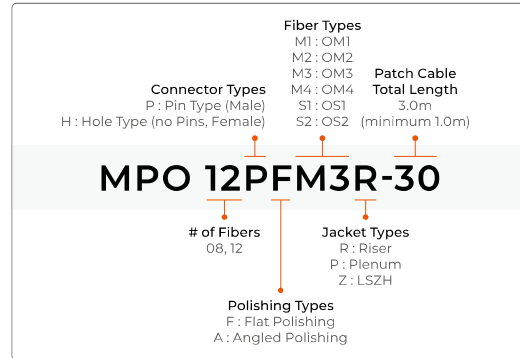
MPO Patch Cables

Swift MPO Patch Cables provide high density connections in the Data Center. Swift MPO Patch Cables are available with up to 12 fibers. These Patch Cables offer low insertion loss and high return loss.



Specifications

Connector Types	Polishing Types	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Return Loss (dB)
MPO(MM)	Flat	0.10	0.35	≥20
MPO(SM)	APC	0.10	0.35	≥60



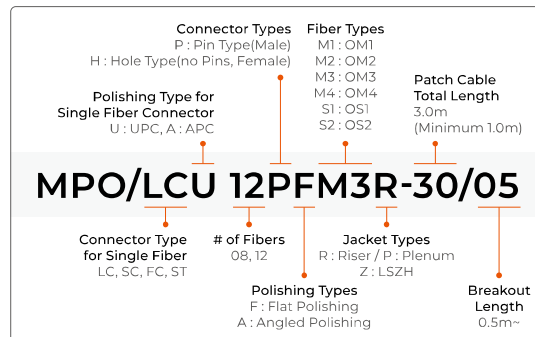
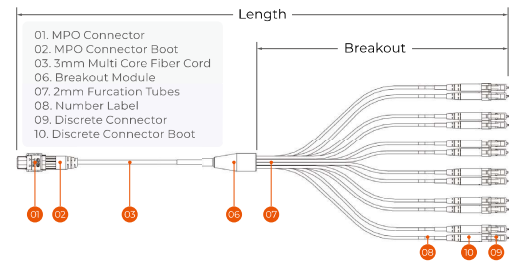
MPO Trunk Fanout Cables

Swift MPO Trunk fanout Cables provide high quality transitions from Multi core fiber cable to individual Single fiber connectors. Swift MPO Trunk fanout Cables are available with up to 12 fibers featuring SC, FC, ST and LC connectors. These fanout Cables offer low insertion loss and high return loss.



Specifications

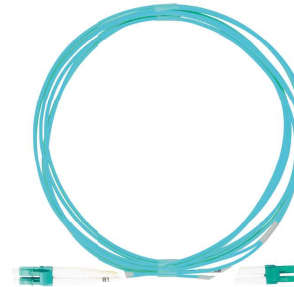
Connector Types	Polishing Types	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Return Loss (dB)
MPO(MM)	Flat	0.10	0.35	≥20
MPO(SM)	APC	0.10	0.35	≥60
LC(MM)	UPC	0.10	0.30	≥30
LC(MM)	UPC	0.10	0.30	≥55
LC(MM)	APC	0.10	0.30	≥65



Data Center Cable Assemblies

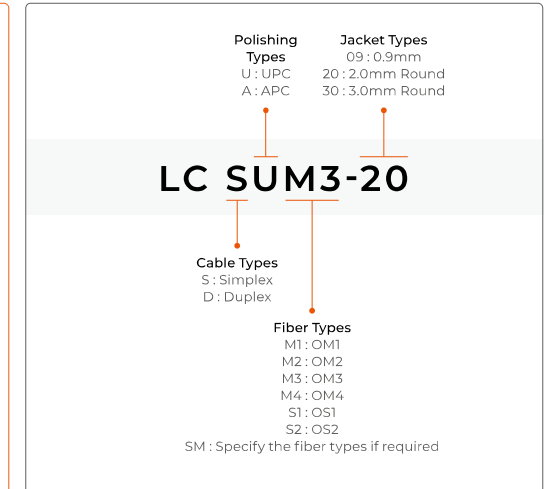
LC Patch Cords

Swift LC Patch Cords provide high connections in the Data Center. Swift LC Patch Cords are available both simplex and duplex. These Patch Cords offer low insertion loss and high return loss.



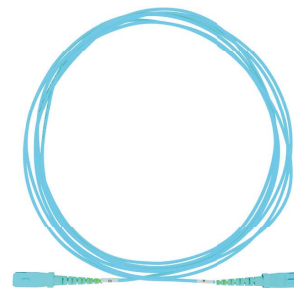
Specifications

Connector Types	Polishing Types	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Return Loss (dB)
LC(SM)	UPC/APC	0.10	0.3	≥55(UPC) ≥65(APC)
LC(MM)	UPC	0.10	0.3	≥30



SC Patch Cords

Swift SC Patch Cords provide high connections in the Data Center. Swift SC Patch Cords are available both simplex and duplex. These Patch Cords offer low insertion loss and high return loss.



Specifications

Connector Types	Polishing Types	Typical Insertion Loss (dB)	Max. Insertion Loss (dB)	Return Loss (dB)
SC(SM)	UPC/APC	0.15	0.3	≥55(UPC) ≥65(APC)
SC(MM)	UPC	0.15	0.3	≥30

