UCL SWIFT

NORTH AMERICA

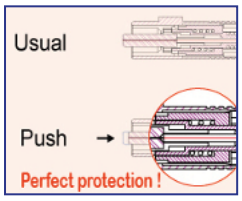
FUSION SPLICE-ON FIBER CONNECTORS

SPLICE-ON CONNECTORS

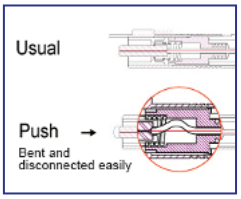
Quality Connections Start Here

Improve the quality of your connections with UCL Swift's line of singlemode and multimode fiber optic splice-on connectors in FC, LC, SC, and ST configurations. UCL Swift manufactures the components of our connectors from the high-quality ferrules to the boots, ensuring reliable connections and low insertion loss in every connector.

Other fusion splice-on connectors have weak points when the shock absorber of the stop ring is sleeved by heat shrink after splicing. This weakness can allow the fiber to bend and possibly cause disconnection (see image below). With UCL Swift, the splice-on connectors utilize the ferrule to prevent the fiber from disconnecting resulting in better and more reliable performance.



SWIFT FUSION SOC



OTHER FUSION SOC'S

FEATURES & BENEFITS

Internal testing to verify performance and compliance with TIA-568-C.3

Corresponding Telcordia GR-326-core

Enhanced high quality with improved optical features (Insertion Loss & Return Loss)

Enhanced & improved high tensile strength (exceeding 60N)

Satisfy Vertical Burning test, materials compliant with UL94V-0

Housing Color: SM-UPC (Blue), SM-APC (Green), MM (Beige)

SC-UPC

SC-APC

SC-OM4

LC-OM4

LC-UPC

ST

FC

ORDERING INFORMATION

SCAN TO
View ordering information for all splice-on connectors.

SPECIFICATIONS

ITEM	SINGLEMODE APC	SINGLEMODE UPC	MULTIMODE UPC
Tensile	>60 newtons	>60 newtons	>60 newtons
Return loss	>50dB	>60dB	>30dB
Insertion Loss	Average <0.15dB (max <0.30dB)	Average <0.15dB (max <0.30dB)	Average <0.15dB (max <0.30dB)

FIBER HOLDERS

To Assist Precise Fusion Splicers

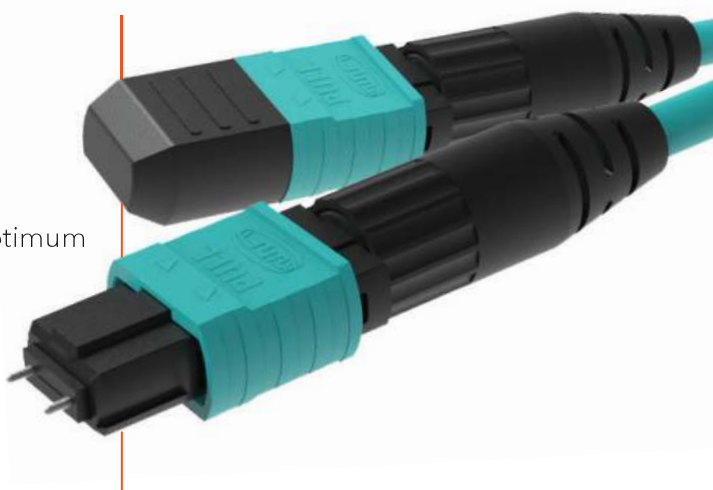
UCL Swift fiber and connector holders are necessary to perform fusion splices on UCL fusion splicers. Holders enable precise movement of the fiber or connector through the splice steps onboard the splicer unit. Different models of holders are available to accommodate the wide range of fibers and connectors that can be fusion spliced on a UCL Swift fusion splicer. They have magnets and guide holes that do all the alignment for you. Add them to your tool kit so you'll be prepared for your next project.

PRODUCT	DESCRIPTION
HS-2.5FP	2-3mm fiber holder, (1 pair); Fits K33, K33A, K33A-HDC, K11, K7, KF4, KF4A, KF4A-HDC
HS-250	Fiber holder 250µm (2); Fits K33, K33A, K33A-HDC, K11, K7, KF4, KF4A, KF4A-HDC
HS-900	Fiber holder 900µm (1 pair): Fits K33, K33A, K33A-HDC, K11, K7, KF4, KF4A, KF4A-HDC
HS-LS-900L	Loose tube fiber holder, left side: Fits K33, K33A, K33A-HDC, K11, K7, KF4, KF4A, KF4A-HDC
KF4-ILC	LC Splice-On connector holder, KF4A splicer; Fits KF4, KF4A, KF4A-HDC
KF4-SC	SC Splice-On connector holder, KF4A splicer; Fits KF4, KF4A, KF4A-HDC
KF4-ST	ST Splice-On connector holder, KF4A splicer; Fits KF4, KF4A, KF4A-HDC
ST JIG	ST jig for ST connector; Works with ST holders
MPO-10-KR12	MPO-10 holder for KR12A; Fits KR12, KR12A
H7-250-10P	250µm fiber holder for ribbon splicer (1 pair); Fits KR12, KR12A
H7-900-10P	900µm fiber holder for ribbon splicer (1 pair); Fits KR12, KR12A
H7-2-10P	2 strand fiber holder for ribbon splicer (1 pair); Fits KR12, KR12A
H7-4-10P	4 strand fiber holder for ribbon splicer (1 pair); Fits KR12, KR12A
H7-6-10P	6 strand fiber holder for ribbon splicer (1 pair); Fits KR12, KR12A
H7-8-10P	8 strand fiber holder for ribbon splicer (1 pair); Fits KR12, KR12A
H7-12-10P	12 strand fiber holder for ribbon splicer (1 pair); Fits KR12, KR12A
ROC-900	Fiber holder 900µm for ROC style drop cable (part of HDC Accessory Kit); Fits KF4A-HDC , K33A-HDC
SST-900L	Fiber holder 900µm for 8145 flat drop cable (part of HDC Accessory Kit); Fits KF4A-HDC , K33A-HDC
SST-250L	Fiber holder 250µm for 8145 flat drop cable (part of HDC Accessory Kit); Fits KF4A-HDC , K33A-HDC

MPO SPLICE-ON CONNECTOR

High Density Connections

The MPO Splice-on connector from UCL Swift provides connections for up to 12 fibers with one termination. Offering factory-installed fiber stubs that utilize high quality fiber, these multi-fiber connectors provide superior optical performance.



FEATURES & BENEFITS

Factory installed fiber stubs using high quality fiber provide superior optical performance

Factory polished and inspected ferrule end faces ensure optimum fiber optic connectivity and easy terminations

Enhanced tensile strength for improved field terminations

FOCIS compliant connector interfaces

Internal testing to verify performance and compliance with Telcordia EIA-568

Swift 25-year warranty available

Ideal for use in FTTX networks, LAN, datacom and telecom applications including point to point and passive optical networking

ORDERING INFORMATION

SCAN TO

View ordering information for MPO splice-on connector.

SPECIFICATIONS

CONNECTOR TYPES	POLISHING TYPES	TYPICAL INSERTION LOSS (dB)	MAX. INSERTION LOSS (dB)	RETURN INSERTION LOSS (dB)
MPO (MM)	Flat	0.15	0.35	≥20
MPO (SM)	APC	0.15	0.35	≥60

HDC SPLICE-ON CONNECTOR

Hardened Fusion Splice-On Connectors

The Swift HDC Connector provides the highest quality standards-based field-installable connector for hardened optical applications. This field-installable hardened solution is ideal for both new installations and emergency repairs. It helps eliminate inventoried products in warehouses and on tech vehicles, reducing SKU's and improving cash flow. The elimination of slack storage boxes reduces storage challenges and provides neatly organized cables on the pole that use only the cable you need.

FEATURES & BENEFITS

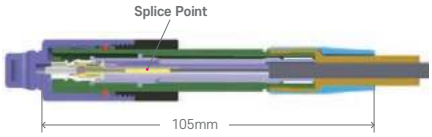
Environmentally robust to provide a reliable interface in the outside plant environment

Simplifies installation and maintenance in FTTx applications

With no need to inventory various lengths of pre-terminated assemblies, costs are reduced

Provide cost savings by reducing unnecessary cable slack

Easily terminates in the field for onsite maintenance and performance-driven connections



*PATENT PENDING

COMPATIBLE SPLICERS

The HDC Hardened Fusion Splice-On Connector is compatible with premium All-In-One fusion splicers KF4A-HDC and the K33A-HDC.

KF4A-HDC

K33A-HDC

ORDERING INFORMATION

SCAN TO

View ordering information for HDC splice-on connector.

SPECIFICATIONS

PARAMETER	INSERTION LOSS	RETURN LOSS
Singlemode (OS1 & OS2)	Typical 0.15dB (max 0.30dB)	Min. 55dB (UPC), 65dB (APC)

SCAN HERE
to view all
CONNECTORS online

SOCIAL MEDIA

linkedin.com/company/uclswift-americas/

instagram.com/uclswiftamericas/

facebook.com/uclswiftamericas

TRAINING VIDEOS

youtube.com/c/Americallsintech/featured

UCL SWIFT
NORTH AMERICA

3330 Earhart Drive, Suite 208 | Carrollton, TX 75006
O 972.556.0916
info@uclswiftna.com