

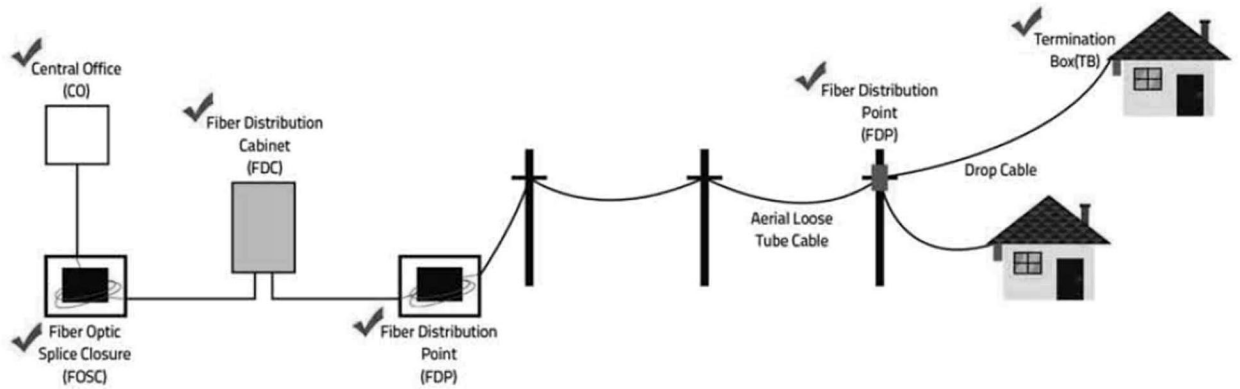
Splice On Connector



DESCRIPTION

OPTiLite's connector termination system allows for unsurpassed performance and flexibility in the field. This new "splice-on" connector (SOC) eliminates the need for field polishing and significantly improves the quality of the termination and installation time required. OPTiLites factory polished ferrules with pre-cleaved fiber stubs are spliced onto the field fiber utilizing OPTiLite's proprietary ferrule holder and fusion splicer. The connector is easily assembled by using a process that requires minimal skill or training. These connectors are optimal for use in data center applications.

FTTH ARCHITECTURE



SPECIFICATION

Type	Item	SM	MM	
General Connector	Fiber Type	9/125	OM1, OM2, OM3	
	Insertion Loss	UPC	≤ 0.2dB	
		APC	≤ 0.2dB	
	Return Loss	UPC	≤ 50dB	-
		APC	≤ 60dB	-
	Repeating Test	500Cycles, ≤ 0.2dB		
Operation Temp	-45C - 85C			
SC	Type of Fiber	0.9mm fiber, 2.0mm, 2.4mm, 3.0mm cable, 3x2 Indoor Cable		
	Tensile Force	≥ 30N (≥ 3.1kgf) for 3.0mm code or 0.9mm fiber / ≥ 80N (≥ 8.0kgf) for 3x2 Indoor Cable		



Splicing Machine

RECOMMENDED TOOLS



Cleaver



Stripper



Sleeve



Ferrule Sub Assembly



Housing



Boot & Clamp Cap

STRUCTURE

Assembly Procedure



01. Pass the cable through the boot and the boot cap.



02. Strip the indoor cable with a stripper.



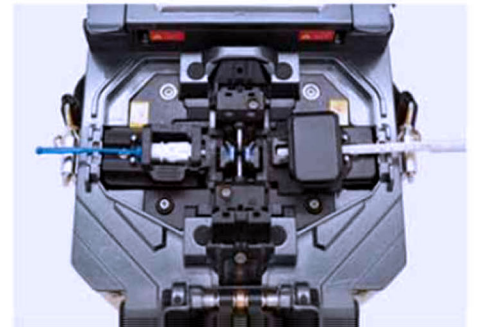
03. Clean the stripped cable with alcohol soaked tissue.



04. Cleave it with a cleaver.



05. Take the fiber protector off from the ferrule.



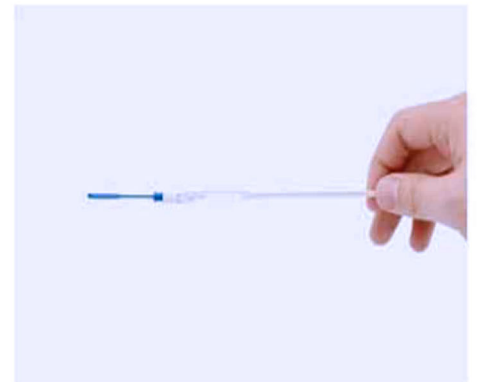
06. Put the ferrule and cable on the V-groove.



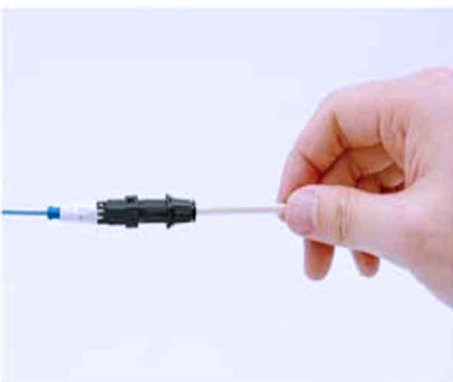
07. Splice.



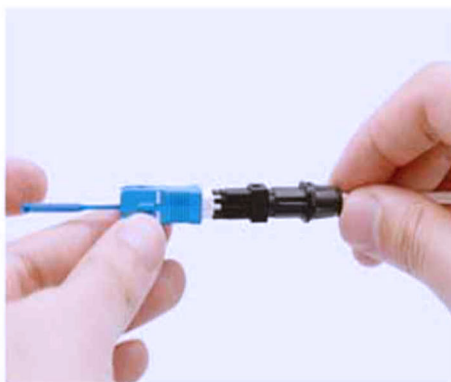
08. Put the spliced connector in the oven, then it will start heating automatically.



09. Get the heated sleeve cooled.



10. Assemble the boot and the cap.



11. Assemble the housing.



12. Completed.

- Compliant with IEX51754-4, KS C6974(F04), JIS C5973(F04)
- Compliant with Telcordia GR-326-core
- Able to terminate the fiber with a connector in the field
- Unnecessary of extra connection as joining point is located inside of connector
- Higher quality, better insertion loss and return loss
- Easy to assemble with one step system