

SPlice KIT/SPlice SLEEVE: JACKET TO JACKET FIBERS

Project:

Type:

Catalog Number: **S-EL-EL, S-FC-FC, S-EL-FC, S-EL-LEF (Driver)-Fiber Size
-WR Fibers; LSS-Fiber Size Splice Sleeve**

System Component: **Optical Fiber (LCPOF)**

DESCRIPTION: The kit includes a Splice Sleeve (LSS-fiber size, i.e., LSS-3 for 300 series; please specify fiber size when ordering) and one SC-2081 glue. The LOC-002 Optic Cutter must be ordered separately. The jacket-to-jacket splice kits provide the components necessary for field splicing all jacketed bondable fibers, including SEL, SFC, SFR Driver and LEF Driver. These splicing instructions are used for typical harness splicing. One LSS Splice Sleeve is included with kit. Splice Sleeves can be ordered separately. Splices should not be submerged in water.

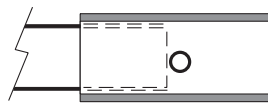
Splicing Instructions:

STEP 1: Cut both fiber ends to be spliced with Lumenyte Optic Cutter or new razor blade.



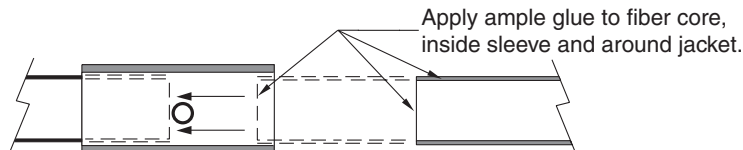
STEP 1A: For -WR jacketed fiber splices, carefully score and remove 2" of -WR jacket on outside of fiber end. Follow directions below.

STEP 2: Apply SC-2081 glue to the fiber jacket and immediately push half way into splicing sleeve just short of the hole in splice sleeve. Allow 2-3 minutes to dry.



Hole is factory-drilled in center of sleeve to relieve air pressure and excess glue during splicing.

STEP 3: Apply ample SC-2081 glue around jacket, inside sleeve AND to the fiber core. Immediately push into the sleeve abutting ends tightly together, forcing air and excess glue through center hole. Twist slightly and match cuts. Hold for 2-3 minutes. Allow splice to set and cure for 24 hours.



Note:

Unspliced lengths of fibers are brighter than spliced lengths. However, at times, it may be necessary to incorporate a splice. These instructions offer this alternative.



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DCN# 650067

SPLICE KIT/SPLICE SLEEVE: NON-JACKET TO NON-JACKET FIBERS

Project:

Type:

Catalog Number: **S-WN-WN-Fiber Size; WNSS-Fiber Size Splice Sleeve**

System Component: **Optical Fiber (LCPOF)**

DESCRIPTION: The S-WN-WN splice kit provides the components necessary for field splicing non-jacketed fibers. The kit includes one splice sleeve and one piece of White Heat Shrink. Please specify fiber size when ordering (WNSS sleeves can be ordered separately. WNSS-fiber size, i.e., WNSS-4 for 400 series). The LOC-002 Optic Cutter must be ordered separately.

Splicing Instructions:

STEP 1: With an optic cutter or new straight-edge blade, cut the ends of the fibers to be spliced to a clean 90° angle so that the ends will abut in a flush manner. Slip White Heat Shrink onto one side of fiber.



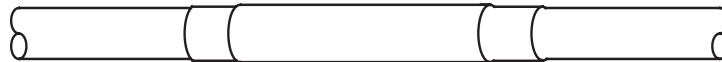
STEP 2: Push the ends of the fiber together so they contact each other about halfway into the splice sleeve.



STEP 3: Heat entire sleeve with heat gun to shrink sleeve tightly around the fibers while holding the fibers tightly together so the cut faces remain in contact with each other.



STEP 4: Center White Heat Shrink over the splice sleeve and shrink it tightly. Allow to set and cure for 24 hours. Handle spliced fibers with care.



Note:

Unspliced lengths of fiber are brighter than spliced lengths, however, it might sometimes be necessary to incorporate a splice. These instructions offer this alternative.

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SPLICE KIT/SPLICE SLEEVE: JACKET TO NON-JACKET FIBERS

Project:

Type:

Catalog Number: **S-EL-WN-Fiber Size; WNSS-Fiber Size Splice Sleeve**

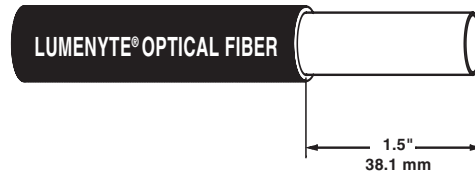
System Component: **Optical Fiber (LCPOF)**

DESCRIPTION: The jacket to non-jacket splice kit provides the components necessary for field splicing all bondable jacket to non-jacket fibers. The kit includes one splicing sleeve (WNSS-fibersize, i.e., WNSS for 200 series) and one piece of White Heat Shrink. Please specify fiber size when ordering. The LOC-002 Optic Cutter must be ordered separately.

Splicing Instructions:

WNSS sleeves may be ordered separately. These splicing instructions are also used for typical harness splicing to SWN type fiber.

STEP 1: With an optic cutter, score a fine line around the black jacket of the SEL fiber, approximately 1.5" (38.1 mm) from the ends to be spliced. Do not nick or cut Teflon® cladding. Flex the fiber back and forth until the jacket breaks and remove.



STEP 2: With the optic cutter, cut the ends of the fibers to be spliced at clean 90° angles so that the ends will abut in a flush manner. Slip White Heat Shrink piece onto one fiber section.



STEP 3: Push the ends of the fiber together so they contact each other about halfway into the splice sleeve.



STEP 4: Heat entire sleeve with heat gun to shrink sleeve tightly around the fibers while holding the fibers tightly together so the cut faces remain in contact with each other.



STEP 5: Center White Heat Shrink over the splice sleeve and shrink it tightly. Allow to set and cure for 24 hours. Handle spliced fibers with care.



Note:

Unspliced lengths of fibers are brighter than spliced lengths. However, it might sometimes be necessary to incorporate a splice. These instructions offer this alternative.

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