

0831-1119 QUAD EL FUSION SPLICE KIT

The KITCO Fiber Optics #0831-1119 Quad EL Fusion Splice Kit was designed specifically for the Ground Tactical Warfighter to repair and sustain TFOCA (Tactical Fiber Optic Cable Assemblies) and MFOCA (Mixed Fiber Optic Cable Assemblies) in harsh, desert, battlefield environments, even at night. Now instead of discarding expensive reels of the four channel MIL-PRF-85045/8A Fiber Optic Cable Reels, the Warfighter can quickly and easily repair the severed or broken fiber almost instantaneously. The Quad EL Kit now contains 5 (five) each of KITCO Fiber Optics' JPS-400 (Jacket Protection Sleeve ([NSN 6070-01-527-2509](#)) which makes restocking easier for the Warfighter. The JPS-400 protects the entire outer jacket of the Ground Tactical Fiber, yet is flexible enough to conform to the diameter of the TFOCA or MFOCA reel of fiber when rewound. This unique Fusion Splice Kit contains tools designed that allows the Warfighter to thermo-strip, cleave, arc check, fusion splice (any combination of multimode and/or single mode fiber – 250 μm or 900 μm), and protect with glass protection sleeves **all four fibers simultaneously!** This alone saves hours of time in *prep*, *fuse*, and *protect time* as compared to fusing each fiber individually.



0831-1119 Quad EL Fusion Splice Kit



MIL-PRF-85045/8A TFOCA,
4 Channel Reel of Fiber



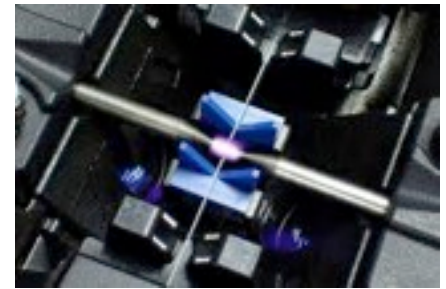
JPS 400 Splice Enclosure (0731-1170)
NSN: 6080-01-520-8198

Key Features & Specifications

- **Strips, Cleaves, Arc Checks, Fusion Splices, & Protects Four Fibers Simultaneously (any combination of Single Mode and/or 50 μm /62.5 μm Multimode, 125 μm Clad Fiber)**
- **160 splice cycles** for splicing and shrinking glass protection sleeves
- **Easy maintenance**, tool-less electrode replacement/mirror free alignment system
- **Easy software upgrade** via the Internet
- **Easily exchanged fiber holder system**
- **Meets the requirements of MIL-PRF-28800F class 2** for the United States Army, Marine Corps, and all Ground Tactical. Specifically manufactured for MIL-PRF-85045/8A, 4 Channel Cable Reels
- **Special v-groove and holders**, provides for handling of up to 4 250 μm or 900 μm fibers with 125 μm cladding diameter
- **Illumination lamp** lights up a wide area around V-grooves



Quad EL Fusion Splicer



Key Features & Specifications:

- **PC interface software** allowing user management of splicing programs and results
- **Auto-start shrink sleeve oven** Built in
- **Improved GUI** to further enhance ease-of-use
- **Large memory** for storing data (2,000 splice data) and image (100 images)
- **Drop resistant** - 76 cm drops from 5 different angles
- **Water resistant** - IPX2 rating drip proof
- **Dust resistant** - IP5X rating dust proof
- **Applicable Fibers** - Single Mode and/or Multimode, 9 μ m, 50 μ m, 62.5 μ m - 125 μ m Cladding
- **Cladding Diameter** - 125 μ m
- **Coating Diameter** - 250 μ m to 900 μ m for each individual fiber
- **Average Splice Loss** - SM: < 0.1 dB, MM: < 0.05 dB
- **Splice Time** - Quad Fiber: 15 Seconds
- **Heat Time** - Quad Fiber: 45 Seconds (60 mm quad glass protection sleeve)
- **Automatic Heating Start** - Yes
- **Glass Protection Sleeves** - 60 mm Dual & Quad, 25 per Pack in Kit
- **Tension Test** - 1.96 Newtons
- **Return Loss of Splice** - -60 dB or Lower
- **Image Capture Capacity** - Last 100 Images auto captured -Up to 24 images may be stored permanently
- **Dimension** - 159W x 231D x 130H mm
- **Weight** - 1.8 kg with Battery Installed
- **Monitor** - 3.5" Color LCD Monitor
- **Data Output** - USB version 2.0 Mini
- **Battery Capacity** - Typical 80 Splice/Heat Cycles
- **Wind Protection** - Max. Wind Velocity of 15 m/s
- **Operating Temperature** - -10 to + 50 degrees C
- **Storage Temperature** - -40 to +71 degrees C
- **Power Source** - AC Input 100 to 240 V (50/60 Hz), DC Input 11 to 17 V without change of hardware

