

# OMK-SR-MCS

## Mini cable splice tool kit

### Description:

The OPTOKON OMK-SR-MCS Mini cable splice tool kit offers all necessary tools and components for field usable, quick repairs of tactical cables in the toughest of environments. Utilizing the proven mechanical splice in both singlemode and multimode applications, there is no need for power, heat or complicated termination procedures. Based on standard mechanical splice technology of the MCS-04, the tool kit provides low loss fiber jointing in just a few minutes.

Cable retention and tie off is achieved through the aramid yarn and IP 67 guaranteed in the same way as military connectors. With small dimensions the Mini Cable Splice provides a permanent join of military tactical cables up to 4 fibers.

Purchased with all the tooling and consumables necessary to carry out the operation, the kit comes complete with splice unit, ready for use in a rugged field usable carry case. Splice unit, spares and consumables are then replaced and replenished at a low cost whenever necessary.



MCS-04

### Features:

- Harsh environmental use
- Proven mechanical splice technology
- 1 to 4 fiber Multimode or Singlemode
- Fully field repairable

### Applications:

- Military Communications
- Internal support structures
- Broadcast

### Benefits

- Small diameter and Length
- Lightweight and compact
- Low Cost, permanent repair
- Standard mechanical splice



### Available MCS types:

|        |                         |
|--------|-------------------------|
| MCS-04 | 4 fibers optical cables |
| MCS-02 | 2 fibers optical cables |

### Dimensions:



## OMK-SR-MCS tool kit:

### Material:

Case: Copolymer Polypropylene Structural  
Latches: ABS  
O' Ring: Neoprene Sponge  
Pins: Stainless Steel  
Purge Valve: ABS with Gore-Tex Membrane  
Foam: Polyester

### Standard:

MIL STANDARD MIL-C-4150J  
IP67 in accordance EN60529/91 & IEC60529/68  
**Air Transportation Association Spec. 300**



**Case Peli 1500**

Dimension: 470 x 357 x 176 mm

|                                 |                                                                                     |                                               |                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------|
| Fiber cleaver<br>OCL-100        |    | Kevlar cutter<br>(Lindstrom 8165)             |    |
| Blade cutter                    |    | Universal Miller stripper<br>(0.9 mm, 250 µm) |   |
| Marking pen                     |   |                                               |                                                                                       |
| Crimp tool MCS<br>(hex 8.23)    |  |                                               |                                                                                       |
| Scale                           |  | Isopropyl alcohol<br>(200 ml)                 | Cleaning wipes                                                                        |
| Hexagon screwdriver<br>(1.3 mm) |  | Spanner, 2 pcs<br>(size 12 mm)                |  |
| Screwdriver<br>(size Philips 1) |  |                                               |                                                                                       |

### Standard assembly components (included in the OMK-SR-MCS):

|            |                            |       |
|------------|----------------------------|-------|
| MCS-04     | mini cable splice assembly | 1 pc  |
| CamSplice® | mechanical splice          | 4 pcs |

### Optional parts:

|            |                                      |
|------------|--------------------------------------|
| MCS-04     | mini cable splice assembly, 4 fibers |
| MCS-02     | mini cable splice assembly, 2 fibers |
| CamSplice® | mechanical splice                    |

### Consumables:

Isopropyl alcohol  
Lint-free tissue

