



## Description

Mechanical Splicer Protector is designed to manage fiber splices and protect the mechanically spliced fibers from outside influences. Protector housing functions as a splicing applicator without requiring additional tools for splicing. It is suited for prompt extensions, changes, repairs and restorations of fiber connections in the outdoor environment.

## Feature

- No additional tools required
- Convenient to assemble and dis-assemble
- Accommodating 2mm cable and 2x3mm(flat) cable
- Rugged protection with water and resistance (IP54)
- Fortified tensile strength
- Insertion Loss:  $\leq 0.15\text{dB}$
- Return Loss:  $\geq 55\text{dB}$
- Tensile Strength:  $\geq 40\text{N}$
- Warranty: 12 months (from the date of signing of cargo delivery record)
- Lifetime:  $\geq 10$  years

- Operating Temperature: -10°C ~ +60°C
- Lifetime: ≥ 10 years
- Warranty: 12 months (from the date of signing of cargo delivery record)

### Technical Specification (Mechanical Splice)

Category	Specification
Fiber Type	G.652.D, G.657.A1 with dia. 250 μm
Wavelength	1310, 1490, 1550 nm
Insertion Loss	≤ 0.15dB
Return Loss	≥ 55dB
No. of Re-use	≥ 5 times
Dimension	4.0 x 4.4 x 40 mm
Holding Force When Locked	≥ 3N

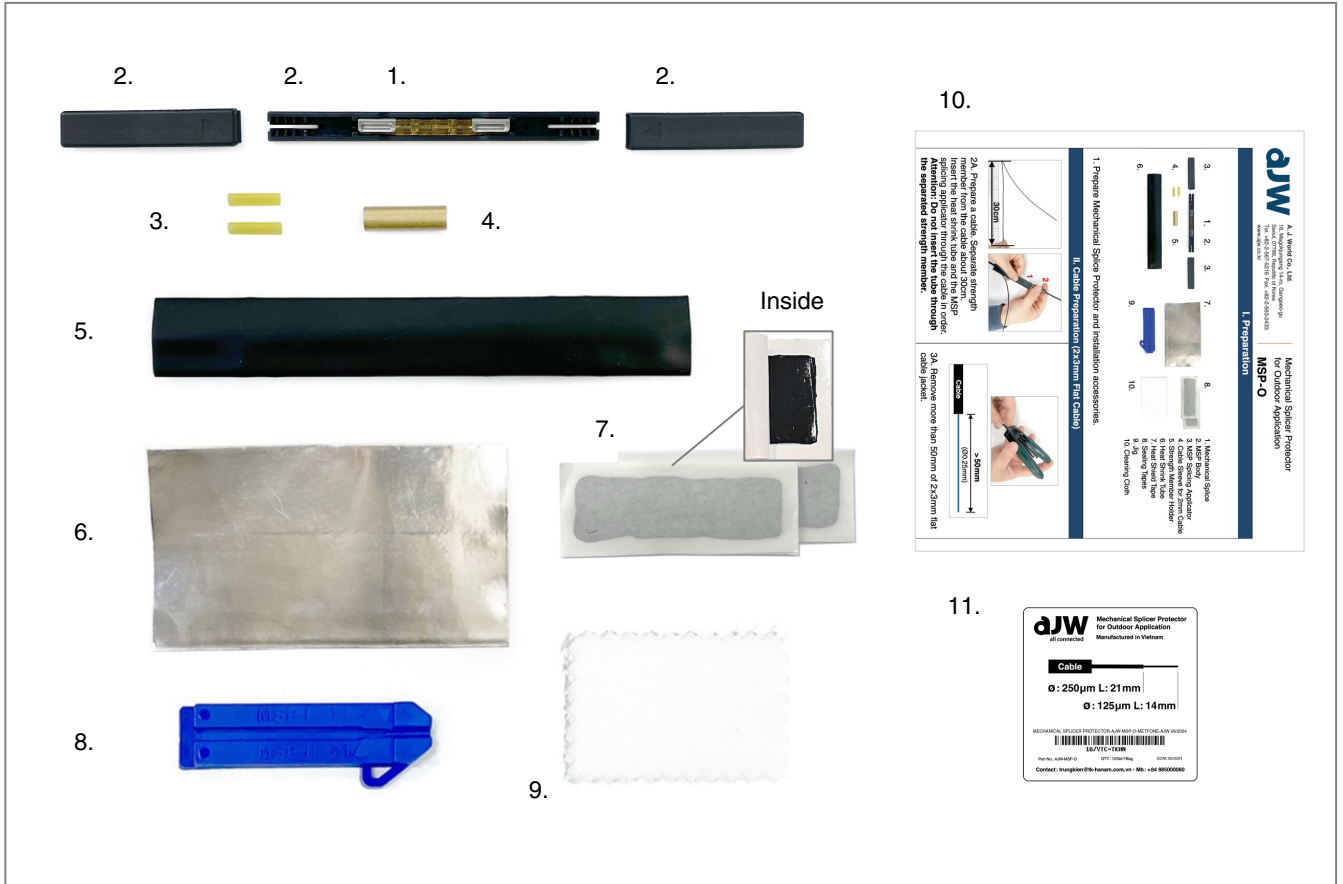
### Technical Specification (Mechanical Splicer Protector)

Category	Specification
Cable	Accommodating 2mm cable and 2x3mm (flat) cable
IP	IP54
Dimension	90 x 9.9 x 8.5 mm / 120.8 x 10.7 x 9.5 mm (including heat shrink tube)
Material	ABS
Tensile Strength	≥ 40N (ΔIL: ≤ 0.2dB at a 1550 nm wavelength)

### Technical Specification (Accessories)

Category	Specification
Dimension (Strength Member Holder)	Length: ≥ 20 mm
	Dia.: 6 mm (Outer Dia.) / 5 mm (Inner Dia.)
	Accommodating two strength members with 1mm.
Material (Strength Member Holder)	Brass Tube, Equivalent to or better than Galvanized Steel Pipe or Copper Tube
Cable Clamp (Strength Member Holder)	≥ 200N (Wire shall not be slipped.)
Material (Sealing Tapes)	Ethylene Propylene Rubber(EPR) and Butyl Mastic Adhesive
	Equivalent to or better than Teflon
Against Overheating (Heat Shrink Tube and Sealing Tapes)	ΔIL : < 0.1dB after heat application (with heat shrink tube and sealing tapes)

**A. Mechanical Splicer Protector & Installation Accessories**



NO	Component	QTY (Per Set of 12 MSPs)
1	Mechanical Splice	12
2	Mechanical Splicer Protector (Body and Applicators)	12
3	Cable Holder for 2mm Cable	24
4	Strength Member Holder	12
5	Heat Shrink Tube	12
6	Heat Shield Tape	12
7	Sealing Tape	24
8	Measurement Jig	2
9	Cleaning Cloth	12
10	Manual	1
11	Product Info Decal	1

## B. Packaging



NO	Component	Packaging
1	MSP and All Accessories	Plastic Bag
2	Mechanical Splice and Mechanical Splicer Protector / Cleaning Cloth	Blister Pack
3	Sealing Tape	Plastic Bag
4	Heat Shrink Tube / Heat Shield Tape / Measurement Jig	Plastic Bag
5	Strength Member Holder	Plastic Bag
6	Cable Holder for 2mm Cable	Plastic Bag