

fibresales Fibre Optic Mechanical Splice



Mechanical Splice

A Mechanical Splice offers a fast, efficient, and reliable solution for connecting two fibre optic cables without the need for fusion splicing. Ideal for field repairs, new installations, or emergency situations, this splice ensures low-loss connections in minutes, providing a cost-effective and practical alternative to fusion splicing.

Applications:

- Emergency repairs in fibre optic networks.
- Field installations and temporary splicing solutions.
- Telecommunications and data centre fibre optic cabling.
- FTTH (Fibre to the Home) network maintenance.
- Splicing in confined or hard-to-access spaces.

Features:

- **Fast Installation:** Joins fibre optic cables in minutes with no need for fusion splicers or complex equipment.
- **Low Insertion Loss:** Guarantees excellent signal integrity, keeping loss rates to a minimum.
- **Field-Friendly Design:** Compact and lightweight, ideal for emergency repairs and quick installations in the field.
- **Versatile Use:** Compatible with both single-mode and multi-mode fibres, as well as a range of fibre diameters.
- **Durable Build:** Designed to endure harsh environmental conditions, ensuring long-lasting performance in indoor or outdoor settings.

Technical Specifications

- Type: Mechanical Splice for Fibre Optic Cables
- Fibre Compatibility: Single-mode and multi-mode fibres
- Insertion Loss: Typically ≤ 0.1 dB
- Return Loss: ≥ 40 dB
- Operating Temperature: -40°C to $+75^{\circ}\text{C}$
- Fibre Diameter Compatibility: $250\mu\text{m}$, $900\mu\text{m}$, and 2-3mm jacketed fibre
- Reusability: up to 5 times - designed for permanent or temporary splicing
- Material: High-strength polymer body with precision alignment mechanisms

Ordering Code:

MEC Mechanical Splice -5 pack