

Extended Repair Joint – Type ERJ MPCP

Product main features

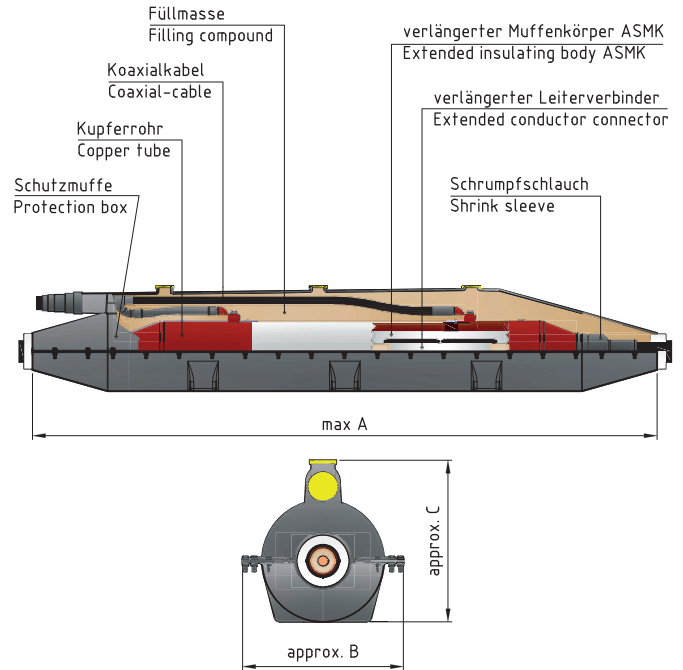
- Bridges defective cables for a fast, space-saving and cost-saving solution
- A proactive and more affordable way of avoiding faults by replacing 'risky' joints
- Up to 70% cost and time savings compared to the standard repair approach
- Can be used for all polymer cable constructions
- Preformed, one-piece silicone body electrically pre-tested
- Maximum mechanical protection and moisture protection
- Radial moisture metallic barrier made of copper casing
- External protection made of glass fiber reinforced protection filled with PU casting resin
- Rated voltage level from 60 kV to 150 kV

Due to the extended conductor connector and the extended insulating body this ERJ (Extended Repair Joint) can bridge longer lengths of faults in defective conductors and insulation parts of the cable. A damaged conductor can be replaced with just a single joint quickly, efficiently and in a space-saving way. Defective or high-risk joints can be replaced by this ERJ joint as well.

With the metallic water protection made of copper tube and the glass fiber reinforced housing providing external protection, this ERJ MPCP type meets the highest requirements for polymer cables up to 170 kV.

The ERJ MPCP joint offers the unique solution of using it to directly repair defective polymer cables, without any need to install an additional cable. Due to the greatly extended conductor connector and the extended insulating body ASMK, this ERJ joint enables bridging of the defective part of the cable. This joint can be used to connect all types of polymer cable design. There's no need of a cable, the construction work can be carried out in the smallest possible space, and the time required for procurement and assembly is substantially shorter. This ERJ joint can also be used to proactively replace defective or high-risk joints. This includes all common joints available on the market. So the ERJ is a much faster and cheaper solution than the standard repair method.

Thanks to the glass fibre reinforced external protection, the ERJ MPCP is suitable for all installations, including direct burial. The ERJ MPCP is type-tested according to the international standard IEC 60840 (≤ 170 kV). The one-piece silicone bodies' long-term reliability is ensured by routine test conducted during the manufacturing process.



Technical data of straight through joints

Type	Drawing	Max. operating voltage Um kV	Range of diameter over prepared cable insulation, min. - max. mm	Equivalent cable cross-section (Cu/Al) mm ²	Max. cable diameter mm	Joint dimensions A x C mm
ERJ MPCP 1.170-31	S2057	170.0	55 - 115	240 - 2000	140	2645 x 445

Technical data of cross bonding joints

Type	Drawing	Max. operating voltage Um kV	Range of diameter over prepared cable insulation, min. - max. mm	Equivalent cable cross-section (Cu/Al) mm ²	Max. cable diameter mm	Joint dimensions A x C mm
ERJ MPCP 1.170-21	S2063	170.0	55 - 115	240 - 2000	140	2645 x 445

Subject to change without notice