

Flexibel and compact joints for polymer cables up to 550 kV



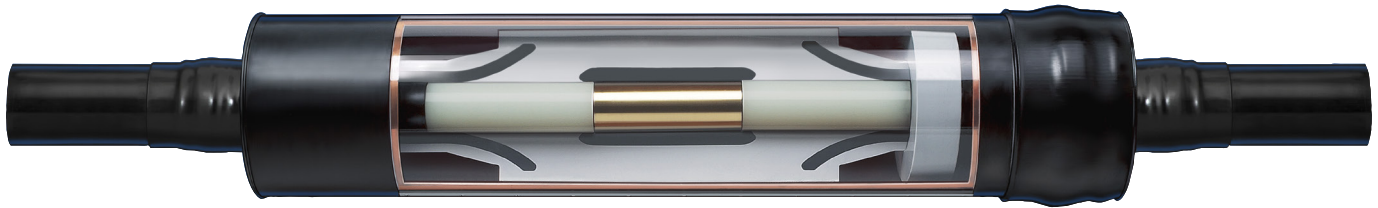
BRUGG

CABLES
Well connected.

Compact and lightweight

The MPCC joint offers outstanding mechanical protection and water tightness for cable systems up to 550 kV. The one-piece joint design allows the easy interconnection of all types of polymeric insulated cables (XLPE, EPR) having different dimensions and cross sections up to 2500 mm².

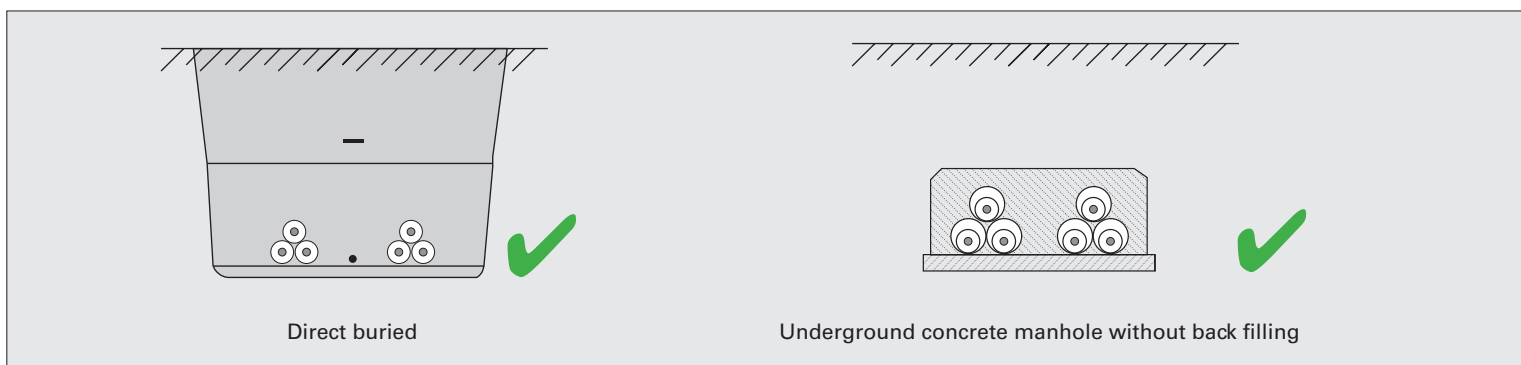
All joints were successfully type tested and pre qualified according to the international standards IEC 60840 and IEC 62067, fulfilling also the requirements of the American standard IEEE 404. Thanks to the extreme compact design and lightweight of the outer protection, the MPCC joint is ideal for all kind of installations sites such as wall-mounted in tunnels, concrete manholes or as directly buried with permanent humidity or shallow water.



Advantages of the MPCC joints

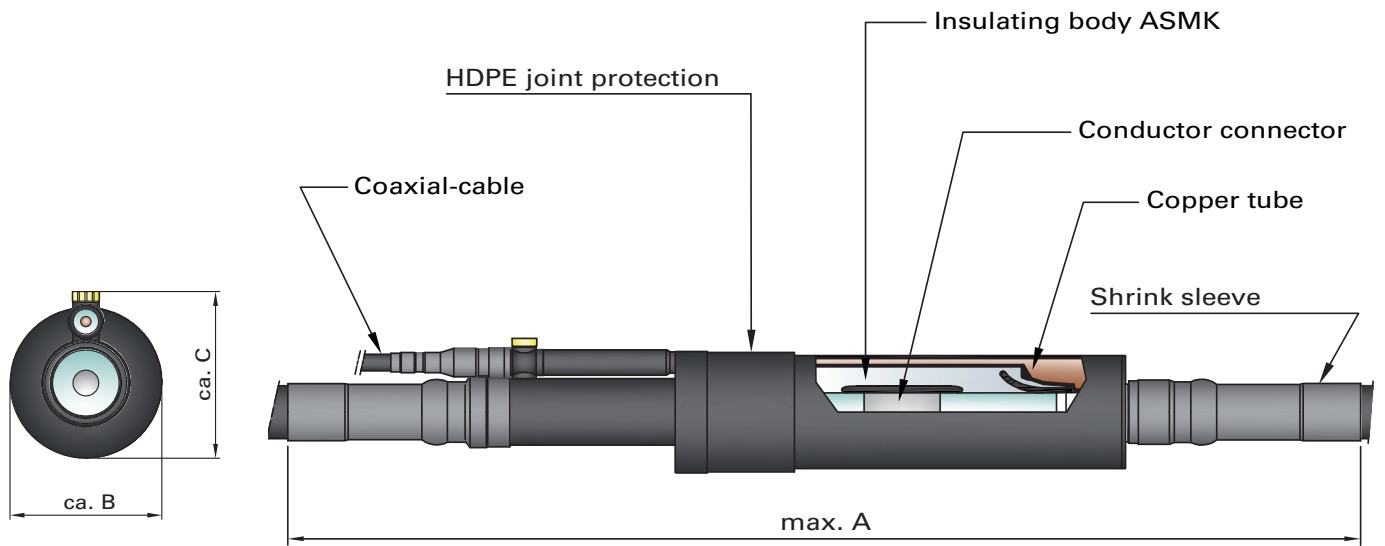
Features	Benefits	Your profit
Compact dimensions	Applicable for all kind of joint bays	Reduced infrastructure costs at installation site
Copper casing moisture diffusion barrier with integrated HDPE outer protection	Highest degree of mechanical and moisture protection with light weight	Flexible adaptation to all installation sites
Joint silicone body electrically tested in factory	Highest quality of materials	Long life and maximum reliability of your cable systems
Same solution for kind of kind of cable screen grounding	Universal joint solution	Reduction of installation and maintenance costs
For all polymer cable types	Interconnection of cables with different dimensions also possible	Best cost-effective solution

Flexible, suitable for all types of installation

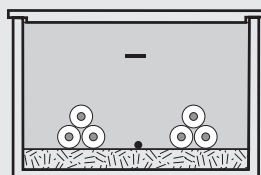
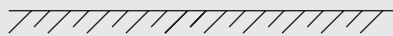


Easy and reliable installation

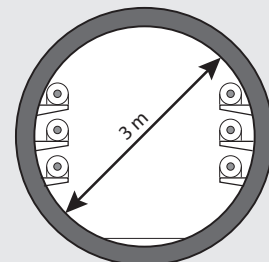
Thanks to our patented slip on gas cushion method, all joint bodies are easily installed over the prepared cables thus avoiding high mechanical stress onto the joint body during installation. Provided with torqued controlled shear bolt connectors as a standard solution, all MPCC joints allow the bimetallic interconnection of all types of cable conductor constructions such as round stranded, sector shape and Milliken. According to the system grounding configuration of the cable system the MPCC joint offers high flexibility so that straight trough and cross bonding cable shield connections can be realized with the same solution.



	MPCC 170kV	MPCC 245 kV	MPCC 420 kV	MPCC 550kV
A	1980 mm	2100 mm	2470 mm	2470 mm
B	230 mm	370 mm	395 mm	395 mm
C	230 mm	370 mm	420 mm	420 mm
Joint weight	60 kg	170 kg	200 kg	230 kg



Underground concrete manhole with back filling



Wall mount in tunnels

Switzerland

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