



Pfisterer MSA Joints

Minimise sheath currents and provide sheath voltage protection

DS0160 R1 Pfisterer MSA Joints 09/2025

One-piece type MSA joints for 72.5 kV to 550 kV can be fitted with minimal installation work and safely join copper or aluminium conductor cables for their lifetime.

They consist mainly of a pre-assembled silicone joint body, and different variants are available.

For individual configuration there are numerous joint features to choose from, such as diverse outer and inner housings as well as various screen versions.

Features

-  Lifelong reliable connection
-  Numerous different versions available according to individual configuration
-  Resilient design in all variants
-  For cable cross-sections up to 2500 mm² and bonding cross-sections up to 630 mm²
-  Individually tested before delivery

Technical Data

Designation	Highest Voltage U _m (kV)	Nominal Voltage U _m (kV)	BIL** (kV)	Partial Discharge Test (pC)	Conductor Cross-Section Range (mm ²)	Ø Over Prepared Insulation (mm)
MSA 72	72.5	60 - 69	325	< 5	150 - 2000	37 - 87
MSA 123	123	110 - 115	550	< 5	240 - 2500	45 - 122
MSA 145	145	132 - 138	650	< 5	240 - 2500	45 - 122
MSA 170	170	150 - 161	750	< 5	240 - 2500	45 - 122
MSA 245	245	220 - 230	1050	< 5	240 - 2500	69 - 122
MSA 300	300	275 - 287	1050	< 5	240 - 2500	69 - 122
MSA 420	420	380 - 400	1425	< 5	630 - 2500	71 - 131
MSA 550	550	500	1550	< 5	630 - 2500	71 - 131

Notes

** Lightning impulse (withstand voltage)

1. Add suffix SM if sealing mastic is required in the kit (recommended for outdoor applications).

2. Covers a different range of cable cross sections

Other literature available on request

Reports, drawings, technical data sheets, installation instructions, O&M guidelines