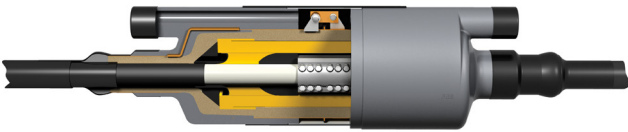
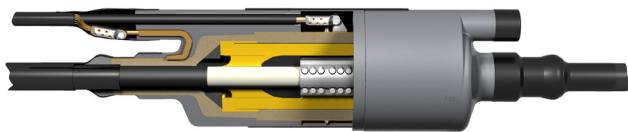


Premolded cable joints, 420 kV



SMPGB 420



SMPGB-C 420

Use

For jointing XLPE- and EPR-insulated cables with Al- and Cu-conductor. Suitable for jointing two cables having different dimensions or screen sheath designs.

Standard

Meets the requirements of:

- IEC 62067 including Annex D
- IEEE 404

Design

The cable joint consists of a premolded rubber tube with two premolded rubber adapters, a bolt connector and a prefabricated PUR casted copper casing as outer protection.

See table below for diameter over the prepared insulation.

The joint is available in two different types:

SMPGB Straight cable joint.

SMPGB-C Cable joint with integrated screen interruption.

The joint is available for different types of cable screens and cable sheaths.

PAL For aluminium laminated cable (APL).

Pb For cables with metal sheath; lead, corrugated copper/aluminium or corrugated stainless steel.

The following cable data should be stated when ordering, see page 5/1:

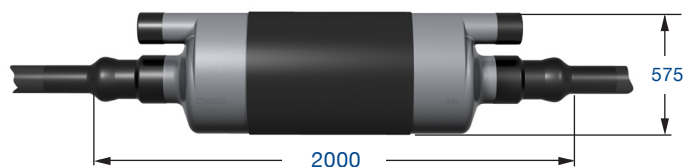
- Voltage
- Diameter over prepared insulation
- Conductor cross section
- Conductor material copper or aluminium
- Diameter of conductor
- Screen, sheath design and cross section
- Overall cable diameter
- Optical fibres integrated in screen

Note:

- Torque wrench and installation tool RKM 420 are needed when assembling.
- For corrugated copper and stainless steel, the flux is not included in the soldering kit. For flux, contact your local supplier.

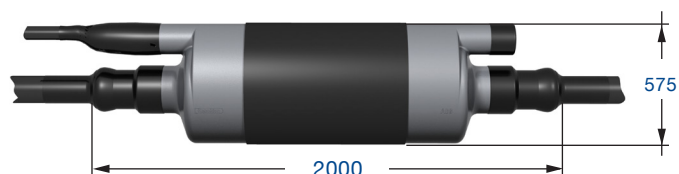
Cable insulation diameter mm	Conductor cross section mm ²	Screen cross section mm ²	Designation
80–124	630–2500	95–500	SMPGB 420 Pb
80–124	630–2500	95–500	SMPGB 420 PAL

Technical specification, tools and accessories



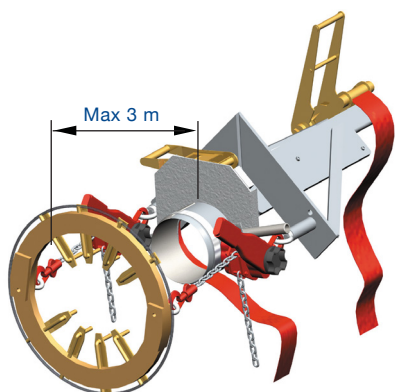
SMPGB 420

Dimensions in mm



SMPGB-C 420

Tools and accessories, to be ordered separately



RKM 420
Installation tool.



OKJ 1
Opto fiber kit for cables with integrated optical fibers in the screen.



PD kit SMPGB 420
Integrated PD-measuring sensor enables partial discharge measurement.

Designation	Description
RKM 420	Installation tool for SMPGB 420 kV
OKJ 1	Kit for splicing of optical fibers
PD kit SMPGB 420	Integrated PD-measurement sensor for enables partial discharge measurement with SMPGB 420