Premolded cable joints, 420 kV
– straight through SMPGB
– with screen interruption SMPGB-C

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.

<table>
<thead>
<tr>
<th>Cable insulation diameter</th>
<th>Conductor cross section</th>
<th>Screen cross section</th>
<th>Designation</th>
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<tbody>
<tr>
<td>mm</td>
<td>mm²</td>
<td>mm²</td>
<td></td>
</tr>
<tr>
<td>80–124</td>
<td>630–2500</td>
<td>95–500</td>
<td>SMPGB 420 Pb</td>
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</tbody>
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Technical specification, tools and accessories
SMPGB 420 and SMPGB-C 420 kV

<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
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<tbody>
<tr>
<td>RKM 420</td>
<td>Installation tool for SMPGB 420 kV</td>
</tr>
<tr>
<td>OKJ 1</td>
<td>Kit for splicing of optical fibers</td>
</tr>
<tr>
<td>PD kit SMPGB 420</td>
<td>Integrated PD-measurement sensor enables partial discharge measurement with SMPGB 420</td>
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</tbody>
</table>

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.