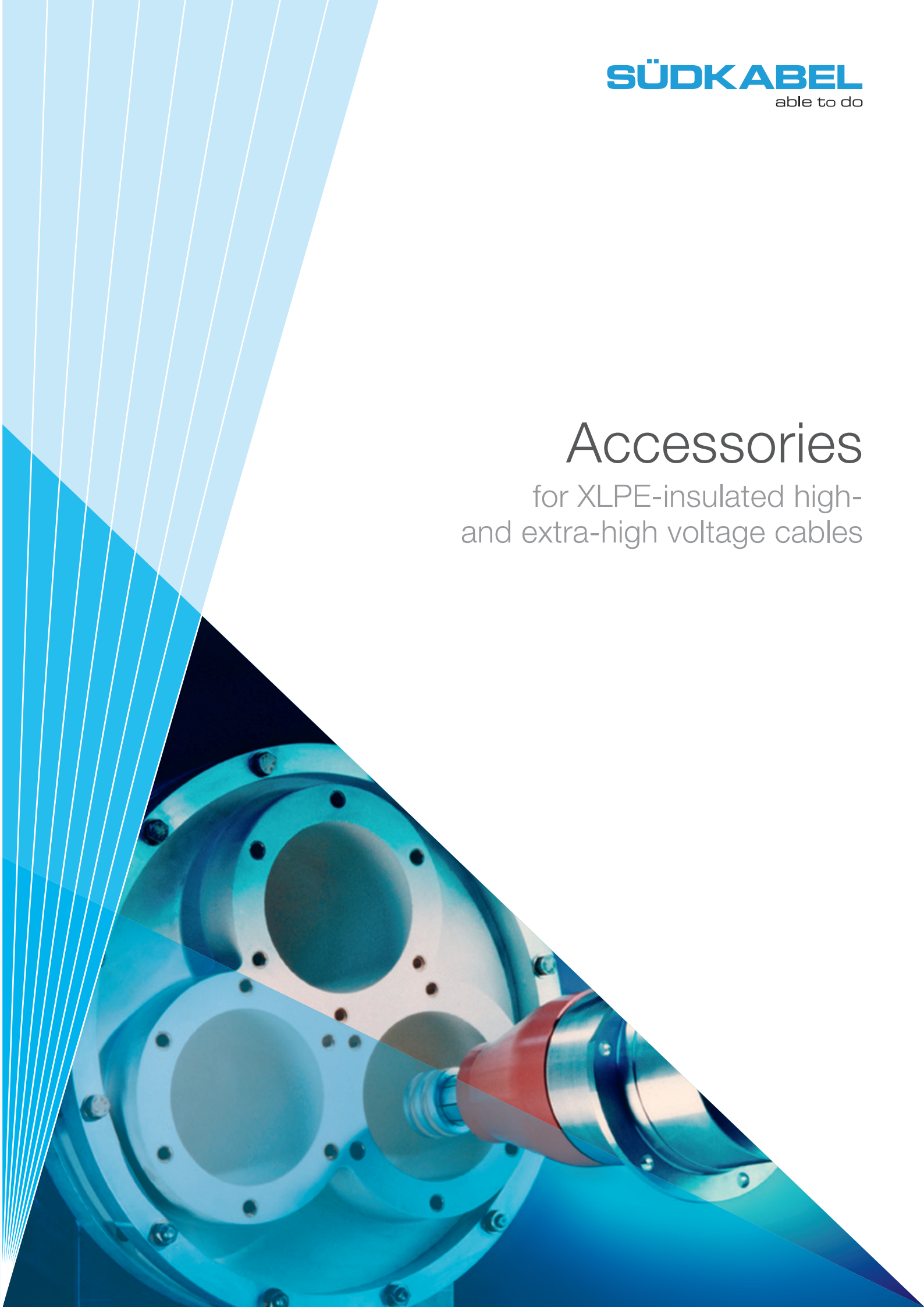
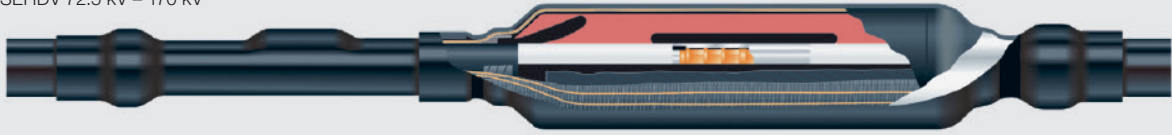


Accessories

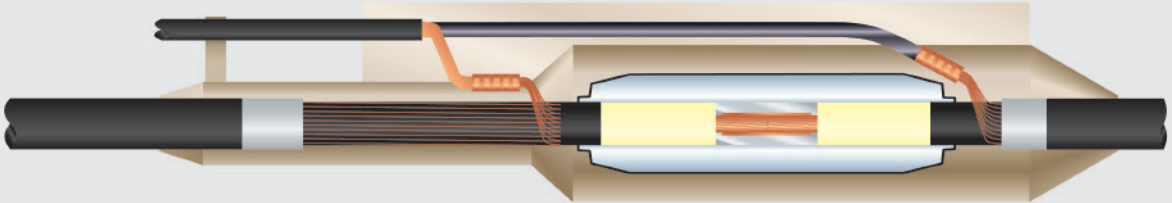
for XLPE-insulated high-
and extra-high voltage cables



SEHDV 72.5 kV – 170 kV



SEHDVCB 245 kV – 550 kV



Cable joints SEHDV(CB)

72.5 kV – 550 kV

Properties

- The slim-line, one piece design of the silicone-rubber joint allows for easy assembly
- Integrated metallic water barrier
- Allows for connection of conductors with different cross-sections and materials
- Corrosion protection for standard-variant with one or more heatshrinkable tubing for voltage levels up to 170 kV; from 245 kV to 550 kV only for installations in air
- Meets the requirements of relevant test specifications (e.g. IEC 60840, IEC 60840 Annex G, IEC 62067, IEC 62067 Annex G)
- Optional up to 170 kV: corrosion protection with a cast-resin filling in PVC tubing or fibreglass protective housing
- Corrosion protection with a cast-resin filling in a fibreglass protective housing for all in-ground applications from 245 kV to 550 kV
- Corrosion protection variants with metal casing (for lead- and aluminium-sheathed cables) available

Highest voltage U_m	kV	72,5	123	145	170
Variant	–	SEHDV(CB)	SEHDV(CB)	SEHDV(CB)	SEHDV(CB)
Impulse lightning voltage	kV	350	550	650	750
Switching impulse voltage	kV	-	-	-	-
Impulse lightning voltage screen separation	kV	60	75	75	75
Impulse lightning voltage outer protection	kV	30	37,5	37,5	37,5
Direct voltage outer protection	kV	20	20	20	20
Normative document	IEC	60840	60840	60840	60840
Cu/Al conductor (min.)	mm ²	95	150	240	240
Cu/Al conductor (max.)	mm ²	2500	2500	2500	2500
Rated current (max.) *	A	2500	2500	2500	2500
Rated peak current *	kA	170	170	170	170
Rated short-time withstand current *	kA/s	50/3 63/1	50/3 63/1	50/3 63/1	50/3 63/1
Length insulation body (approx.)	mm	540	680	680	680
Weight of standard-variant (approx.) **	kg	15	30	30	30
Max. longitudinal force effect (in-air installation)	kN	20	20	20	20
Max. longitudinal force effect (in-ground installation)	kN	30	30	30	30

Table 6 Data sheet for joints, 72.5 – 550 kV

* Depending on cable conductor cross-section

** Without cable

Highest voltage U_m	kV	245	300	362	420	550
Variant	–	SEHDV(CB)	SEHDV(CB)	SEHDVCB	SEHDVCB	SEHDVCB
Impulse lightning voltage	kV	1050	1050	1175	1425	1550
Switching impulse voltage	kV	-	850	950	1050	1175
Impulse lightning voltage screen separation	kV	95	95	125	125	145
Impulse lightning voltage outer protection	kV	47,5	47,5	62,5	62,5	72,5
Direct voltage outer protection	kV	20	20	20	20	20
Normative document	IEC	62067	62067	62067	62067	62067
Cu/Al conductor (min.)	mm ²	400	400	500	630	800
Cu/Al conductor (max.)	mm ²	2500	2500	3200	3200	3200
Rated current (max.) *	A	2500	2500	2500	2500	2500
Rated peak current *	kA	170	170	170	170	170
Rated short-time withstand current *	kA/s	50/3 63/1	50/3 63/1	50/3 63/1	50/3 63/1	50/3 63/1
Length insulation body (approx.)	mm	740	740	900	900	900
Weight of standard-variant (approx.) **	kg	50	50	380	380	380
Max. longitudinal force effect (in-air installation)	kN	20	20	20	20	20
Max. longitudinal force effect (in-ground installation)	kN	30	30	30	30	30

Table 6 continued Data sheet for joints, 72.5 – 550 kV

* Depending on cable conductor cross-section

** Without cable