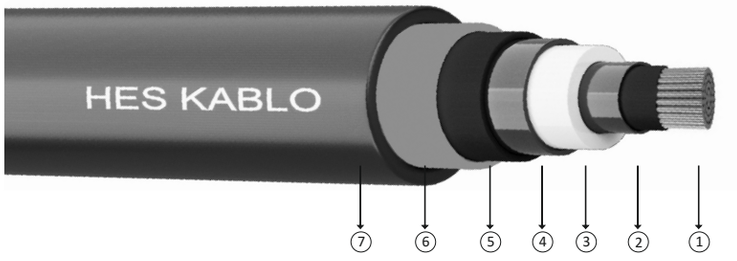
89/154 kV with smooth welded aluminium sheath



Code: AL/XLPE/ATS/HDPE

Standards: VDE 0276 - 632, IEC 60840

Technical Data

Max. operating temperature	: 90 °C
Max. short circuit temperature	: 250 °C (max. 5 sec.)
Rated voltage	: 89/154 kV
Min. bending radius	: 20 x D
D	: Cable outer diameter

Application

These are cables with low dielectric losses used in energy networks with sudden load changes. Laid in residential or industrial areas, underground or in ducts. If the cable gets water inside due to the mechanical demages, swellable tapes prevent the movement of the water inside the cable.

Construction

1. Stranded aluminium conductor
2. Inner semi conductive layer
3. XLPE insulation
4. Outer semi conductive layer
5. Semi conductive swelling tape
6. Smooth welded aluminium sheath
7. PE outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES					
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Operation Capaticance (approx)	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)			
					In ground at 20 °C	In duct 20 °C	In air at 30 °C	
mm ²	mm	kg/km	µF/km	ohm/km			***	****
1x300/25	87,0	4800	0,15	0,100	475	450	620	510
1x400/35	90,0	5400	0,16	0,0778	545	525	741	615
1x500/35	93,0	6000	0,18	0,0605	625	610	860	680
1x630/35	98,0	6700	0,19	0,0469	715	701	1009	815
1x800/35	101,0	7500	0,20	0,0367	813	803	1169	935
1x1000/50	105,0	8600	0,21	0,0291	920	910	1340	1060
1x1200/50	108,0	9300	0,22	0,0247	1030	1020	1530	1086
1x1600/70	120,0	11200	0,23	0,0212	1195	1179	1803	1421