



# HIK-AL-S

XLPE insulated and halogen-free sheathed power cables with Al conductors, rated voltage 0,6/1 kV

## APPLICATION

Halogen-free UV resistant cable for fixed installation in buildings, conduits, ducts, in open air and in the ground. Easy handling and installation thanks to annealed aluminium conductors. The insulation must not be exposed to direct UV radiation. Installation acc. to the Danish Heavy Regulations.

## CONSTRUCTION

Conductors: Al, class 2 according to EN 60228  
 Insulation: XLPE compound  
 Bedding: Extruded filling compound or plastic tape  
 Outer sheath: Halogen-free compound

## CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

4-core (a):  Green/Yellow  Brown  Black  Grey

4-core (b):  Blue  Brown  Black  Grey

5-core:  Green/Yellow  Blue  Brown  Black  Grey

Outer Sheath Colour:

 Grey

*Other colours available on request*

## TECHNICAL CHARACTERISTICS

Test voltage: 4 kV AC, 50 Hz, 5 min. per core

Rated voltage: 0,6/1 kV AC; 1,5 kV DC

Min. bending radius: multicore- 15D,  
 D – overall diameter

Min. laying temperature: -0°C to 50°C

Max. cond. operating temperature: 90°C

Max. short-circuit temperature: 250°C

Working temperature: -40°C to 90°C

Fire properties: EN 60332-1-2

Low smoke: acc. to EN 61304

CPR class: Eca

## STANDARD

HD 603 S1, p.5B, IEC 60502-1

## CERTIFICATION



International  
 Electrotechnical  
 Commission



ARTICLE NUMBER	NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR		CURRENT CAPACITY IN EARTH		OUTER DIAMETER	METAL WEIGHT	CABLE WEIGHT (APPROX.)
				90°C	70°C	90°C	70°C			
				A		A				
	mm <sup>2</sup>		Ω/km	A		A		mm	kg/km	kg/km
1245120	1G50	RM	0,641	161	136	162	142	12,4	145	236
1245140	1G70	RM	0,443	204	172	199	174	14,0	203	311
1245150	1G95	RM	0,320	252	213	238	208	15,8	276	405
1245170	1G120	RM	0,253	295	249	272	238	17,4	348	496
1245190	1G150	RM	0,206	339	286	305	267	19,2	435	609
1245210	1G185	RM	0,164	395	249	347	303	21,3	537	749
1245240	1G240	RM	0,125	472	399	404	353	23,7	696	941
1245242	1x300	RM	0,100	547	462	457	400	26,9	870	1210
1246050	4G16	RM	1,910	80	68	78	68	18,0	183	325
1246100	4G25	RM	1,200	102	86	112	98	22,0	290	485
1246260	4x50	SM	0,641	149	126	158	138	27,7	580	900
1246310	4x70	SM	0,443	191	161	196	171	31,0	812	1180
1246360	4x95	SM	0,320	234	198	234	205	35,1	1102	1450
1246410	4x120	SM	0,253	273	231	268	234	42,0	1392	1945
1246492	4x150	SM	0,206	311	263	300	262	43,6	1740	2210
1246542	4x185	SM	0,164	360	304	342	299	48,0	2146	2925
1246592	4x240	SM	0,125	427	361	398	348	53,7	2784	3485
1246618	4x300	SM	0,100	507	428	457	400	59,0	3480	4575
	5G10	RM	3,080	50	42	66	58	18,7	145	328
1246690	5G16	RM	1,910	80	68	78	68	21,1	232	445
	5G25	RM	1,200	102	86	112	98	25,2	363	643
1246700	5G35	RM	0,868	126	106	135	118	27,8	508	828