



HIK-AL-S FLEX

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: Annealed 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.)
	mm ²		Ω/km	A	A	mm	kg/km	kg/km
1245120	1G50	RM	0,641	161	162	12,4	145	236
1245140	1G70	RM	0,443	204	199	14,0	203	311
1245150	1G95	RM	0,320	252	238	15,8	276	405
1245170	1G120	RM	0,253	295	272	17,4	348	496
1245190	1G150	RM	0,206	339	305	19,2	435	609
1245210	1G185	RM	0,164	395	347	21,3	537	749
1245240	1G240	RM	0,125	472	404	23,7	696	941
1245242	1G300	RM	0,100	547	457	26,9	870	1210
1246050	4x16	RM	1,910	80	78	18,0	182,6	325
1246100	4x25	RM	1,200	102	112	22,0	290	485
1246260	4x50	SM	0,641	149	158	27,7	580	900
1246310	4x70	SM	0,443	191	196	31,0	812	1180
1246360	4x95	SM	0,320	234	234	35,1	1102	1450
1246410	4x120	SM	0,253	273	268	42,0	1392	1945
1246492	4x150	SM	0,206	311	300	43,6	1740	2210
1246542	4x185	SM	0,164	360	342	48,0	2146	2925
1246592	4x240	SM	0,125	427	398	53,7	2784	3485
1246618	4x300	SM	0,100	507	457	59,0	3480	4575
1246690	5G10	RM	3,080	50	66	18,7	145	328
	5G16	RM	1,910	80	78	21,1	232	445
	5G25	RM	1,200	102	112	25,2	362,5	643
1246700	5G35	RM	0,868	126	135	27,8	507,5	828