

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. 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

Min. bending radius: multicore- 10D,
 D – overall diameter

Min. laying temperature: -5 °C

Max. cond. operating temperature: 90°C

Max. short-circuit temperature: 250°C

Working temperature: -40°C to 90°C

Flame propagation: EN 60332-1-2

Halogen free: EN 60754-1, EN 60754-1

Low smoke emitting: EN 61034-2

Vertical flame spread: EN IEC 60332-3-24

CPR class (EN 50575, EN 13501-6): Dca- s1,d1,a1

STANDARD

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

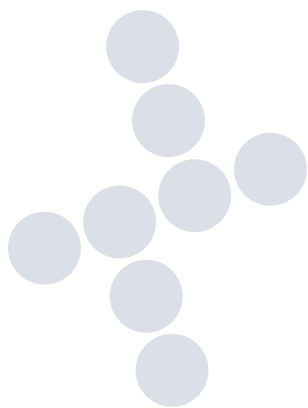
CERTIFICATION



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
1246790	1G50	RM	0,641	161	162	12,4	145	236
1246792	1G70	RM	0,443	204	199	14,0	203	311
1246794	1G95	RM	0,320	252	238	15,8	276	405
1246796	1G120	RM	0,253	295	272	17,4	348	496
1246798	1G150	RM	0,206	339	305	19,2	435	609
1246800	1G185	RM	0,164	395	347	21,3	537	749
1246802	1G240	RM	0,125	472	404	23,7	696	941
1246806	1x300	RM	0,100	547	457	26,9	870	1210
1245261	1x400	RM	0,0778	643	525	30,9	1160	1375
1247973	4G16	RM	1,910	80	78	18,0	182,6	325
1247976	4G25	RM	1,200	102	112	22,0	290	485
1247980	4x50	SM	0,641	149	158	27,7	580	900
1247982	4x70	SM	0,443	191	196	31,0	812	1180
1247984	4x95	SM	0,320	234	234	35,1	1102	1450
1247986	4x120	SM	0,253	273	268	42,0	1392	1945
1247988	4x150	SM	0,206	311	300	43,6	1740	2210
1247990	4x185	SM	0,164	360	342	48,0	2146	2925
1247992	4x240	SM	0,125	427	398	53,7	2784	3485
1247994	4x300	SM	0,100	507	457	59,0	3480	4575
	5G10	RM	3,080	50	66	18,7	145	328
1247997	5G16	RM	1,910	80	78	21,1	232	445
1247999	5G25	RM	1,200	102	112	25,2	362,5	643
	5G35	RM	0,868	126	135	27,8	507,5	828



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