



NA2XH

STANDARD

DIN VDE 0276-604

FOREIGN ANALOGUE

ПвВГ нр-FRHF гост 31996-2012

**Power cable with aluminum core, polyethylene (XLPE) insulation and casing with non-halogen compound**

## APPLICATION

The non-halogen elevated fire hazard cable is designed to transmit and distribute electricity to stationary devices at nominal voltages of 0.660 kV and 1 Hz at 50 Hz. In the air, with anti-ultraviolet radiation protection and where there is no danger of mechanical damage of the cable, as well as for low corrosion activity in the soil (in the trenches), but in a protective tube.



- do not allow burns during laying jointly.
- The cable does not emit carbon monoxide and corrosive gases.



4 kV- 50Hz

0,660kV- 1kV-  
50Hz

-30°C



+70°C



Bending radius not less than 15xD of cable (single-wire cable) 12xD (multi-core)



- Installation temperature: not less than -15°C.
- The max. allowable core heating temperature in short circuit with duration of not more than 4 seconds must not exceed 250°C.
- Conductive lobe for long-term allowable heating temperature +90°C

## CONSTRUCTION

Aluminum wires with a cross section of 2.5-50 mm<sup>2</sup> are made with single wire first class flexibility up to 70-240 mm<sup>2</sup> with twisted multi-wire wires with 2nd class flexibility, standard IEC60228: 2004. At the request of the customer, it is allowed to make multi-wire cross section 16: 50. The number of cores in the cable: 1,2,3,4,5

## THE CONSTRUCTION LENGTH OF THE CABLES

2,5-16mm<sup>2</sup> 450 m 25-70mm<sup>2</sup> 300 m 95-240mm<sup>2</sup> 200 m In case of delivery coils ("bundle"), the construction length is agreed with the customer. It is allowed to make cables of different construction lengths.

## PACKING

Wood barrel or coils ("bundle"),

## Marking

Attached to Wood barrel or coils ("bundle") with a label and the inscription on the surface of the cable: "JSC-Sakkabeli" cable name, meter, year of issue. Marking of hot wire with different colors or inscriptions on the surface of the insulated cores with 0,1,2,3,4 numbers.

## SERVICE LIFETIME

not less than 30 years

## WARRANTY PERIOD

5 years after entering into exploitation, In the proper installation and working conditions

## NA2XY DIN VDE 0276 IEC 60502

Part Name	Conductor resistance [ $\Omega$ /km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Aluminum Weight [kg/km]	Weight [kg/km]
1 x 2,5 re	12,1	26	0,7	1,8	6,73	101	6,75	54,84
1 x 4 re	7,41	35	0,7	1,8	7,2	108	10,80	63,87
1 x 6 re	5,11	43	0,7	1,8	7,7	115	16,20	74,5
1 x 10 re	3,08	58	0,7	1,8	8,45	127	27,0	93,95
1 x 16 re	1,91	79	0,7	1,8	9,4	141	43,20	120,59
1 x 25 rm	1,2	112	0,9	1,8	11,67	175	68,65	174,37
1 x35 rm	0,868	138	0,9	1,8	12,98	195	95,92	217,72
1 x 50 rm	0,641	171	1	1,8	14,3	215	137,0	269,29
1 x 70 rm	0,443	216	1,1	1,8	16,15	242	189	347,89
1 x95 rm	0,32	267	1,1	1,8	17,95	269	256,5	438,17
1 x 120 rm	0,253	313	1,3	1,8	19,85	298	324	534,13
1 x 150 rm	0,206	360	1,4	1,8	21,7	326	405	637,54
1 x 185 rm	0,164	419	1,7	1,8	23,95	359	499,5	777,96
1 x 240 rm	0,125	501	1,8	1,8	26,65	400	648	973,71
1x300 rm	0,1	580	1,8	1,8	29,25	439	810,0	1177,84
1x400 rm	0,778	682	2	1,9	32,79	492	1080,0	1485,61
1x500 rm	0,0605	800	2,2	2,0	36,75	551	1350	1874,85
1x630 rm	0,0469	936	2,4	2,2	41,42	622	1701	2387,63
2X2.5 re	12,1	25	0,7	1,8	10,86	130	13,5	154,01
2X4 re	7,41	34	0,7	1,8	12,4	149	21,6	205,93
2X6 re	5,11	43	0,7	1,8	13,8	166	32,4	260,06
2X10 re	3,08	58	0,7	1,8	15,3	184	54	329,09
2X16 re	1,91	78	0,7	1,8	17,6	211	86,4	446,24
3X2.5 re	12,1	24	0,7	1,8	11,33	136	20,25	164,09
3X4.0 re	7,41	34	0,7	1,8	12,94	155	32,4	220,63
3x6 re	5,11	43	0,7	1,8	14,42	173	48,6	280,24
3x10 re	3,08	58	0,7	1,8	16,43	197	81	378,74
3x16 re	1,91	78	0,7	1,8	18,67	224	129,6	502,71
3x25 rm	1,2	108	0,9	1,8	23,95	287	202,5	790,32
3x35 rm	0,868	134	0,9	1,8	26,77	321	283,5	992,14
3x50 rm	0,641	158	1	1,9	30,41	377	405	1297
3x70 rm	0,443	203	1,1	2	34,98	420	567	1728,74
3x95 rm	0,32	248	1,1	2,1	39,05	474	769,5	2174,92
3x120 rm	0,253	290	1,3	2,3	44,14	530	972	2768,26
3x150 rm	0,206	330	1,4	2,4	48,32	580	1215	3308,58
3x185 rm	0,164	382	1,7	2,5	53,75	645	1498,5	4097,1
3x240 rm	0,125	453	1,8	2,7	59,96	720	2004	5117,29
4X2.5 re	12,1	22	0,7	1,8	12,74	153	27	206,04
4X4.0 re	7,41	32	0,7	1,8	13,88	137	43,2	248,66
4x6 re	5,11	40	0,7	1,8	15,88	191	64,8	335,85
4x10 re	3,08	54	0,7	1,8	18,29	219	108	464,77
4x16 re	1,91	73	0,7	1,8	20,58	247	172,8	603,53
4x25 rm	1,2	100	0,9	1,8	26,65	320	270	957,85
4x35 rm	0,868	125	0,9	1,8	29,81	358	378	1201,62
4x50 rm	0,641	147	1	1,8	33,59	403	540	1547,91
4x70 rm	0,443	189	1,1	2,1	39,05	469	756	2098,85
4x95 rm	0,32	231	1,1	2,2	43,58	523	1026	2638,44
4x120 rm	0,253	270	1,3	2,4	48,56	583	1256	3253,18
4x150	0,206	307	1,4	2,6	53,82	646	1620	3983,48
4x185 rm	0,164	355	1,7	2,7	60,04	720	1998	4959,62
4x240 rm	0,125	421	1,8	2,9	66,95	803	2660	6187,12

Uninsulated

Self-supporting

Mounting

Power

Control