

N2XH

STANDARD

DIN VDE 0276-604

FOREIGN ANALOGUE

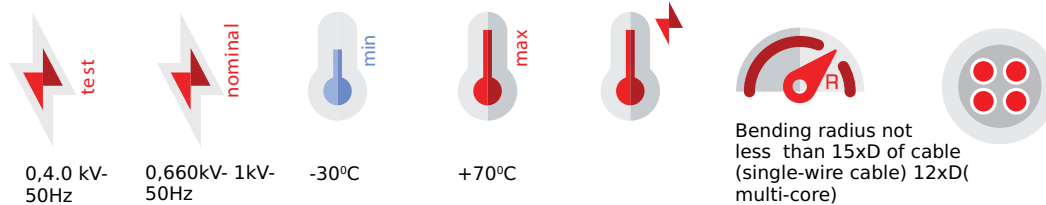
ПВВГ НГ-FRHF GOST 31996-2012

Power cable with copper core, with polyethylene insulation (XLPE) and polyvinylchloride insulation flame retardant and low emission of gas and smoke polyvinylchloride sheath

APPLICATION

Low-smoke, zero-halogen, flame-retardant power cable. For fixed indoor installation as well as in concrete, but not for direct burial in ground or application in water

- ! - Fire Retardant in Multi layer
- Cable does not spread suffocating and corrosion gas



- i - 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

The aluminum cores with section 2,5-50mm² inclusive are produced with one wire of 1 class flexibility, 70-240mm² inclusive with twisted multi-core wires 2 class flexibility, according to Gost 22483-77 standard IEK60228 : 2004. According to customer requested, it's possible to produce cross sections 16:50 with multi-core wires. Number of cores in the cable 1,2,3,4,5

THE CONSTRUCTION LENGTH OF THE CABLES

- 2.5-16 mm² – 450 M.
- 25-70 mm – 300M
- 95-240 mm – 200 M

in case of supply in bundles the construction length is agreed with the customer. In case of agreement with the customer cables of different construction lengths can be produced

PACKING On wooden drum or bundles (coils).

LABELING

Label attached to wooden drum or bundle, or in case of request of the customer with inscription on top: "JSC Sakcable" cable brand, date of production. Labeling of resistance cores with colors or with numbers

SERVICE LIFETIME

not less than 30 years

WARRANTY PERIOD

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

N2XH DIN VDE 0276-604a

Part Name	Conductor resistance [Ω /km]	Ampacity (in air) [A]	Thickness of insulation [mm]	Thickness of sheath [mm]	Outer diameter [mm]	Bending radius [mm]	Copper Weight [kg/km]	Weight [kg/km]
1 x 1,5 re	12,1	28	0,7	1,2	5,15	78	13,4	40,18
1 x 2,5 re	7,41	36	0,7	1,2	5,53	83	22,3	51,37
1 x 4 re	4,61	47	0,7	1,2	5,99	90	35,6	67,61
1 x 6 re	3,08	59	0,7	1,2	6,5	98	53,35	89,08
1 x 10 rm	1,83	82	0,7	1,2	7,79	117	88,9	137,44
1 x 16 rm	1,15	108	0,7	1,2	8,81	132	142,3	196,42
1 x 25 rm	0,727	146	0,9	1,2	10,5	158	222,25	295,06
1 x35 rm	0,524	180	0,9	1,2	11,81	177	311,2	393,09
1 x 50 rm	0,387	220	1	1,2	13,15	198	444,5	515,15
1 x 70 rm	0,268	279	1,1	1,25	15,2	228	622,3	721,81
1x95 rm	0,193	345	1,1	1,3	17,15	258	844,6	971,8
1 x 120 rm	0,153	403	1,2	1,34	18,93	284	1066,8	1208,89
1 x 150 rm	0,124	464	1,4	1,37	21,01	315	1333,5	1491,31
1 x 185 rm	0,0991	538	1,6	1,4	23,29	350	1644,7	1850,73
1 x 240 rm	0,0754	641	1,7	1,5	26,21	394	2133,6	2403,65
1x300 rm	0,0601	739	1,8	1,6	29,03	436	2667	2996,76
1x400 rm	0,047	860	2	1,6	30,6	459	3356,1	3619,18
2 x 1,5 re	12,1	24	0,7	1,2	8,9	107	26,8	121,28
2 x 2,5 re	7,41	33	0,7	1,2	9,66	116	44,6	152,95
2 x 4 re	4,61	44	0,7	1,2	11,18	134	71,2	217,21
2 x 6 re	3,08	56	0,7	1,2	12,61	152	106,7	292,4
2 x 10 rm	1,83	76	0,7	1,26	15,29	184	177,8	447,04
2 x 16 rm	1,15	101	0,7	1,3	17,83	214	284,6	640,94
2 x 25 rm	0,727	134	0,9	1,38	21,66	260	444,5	968,4
2 x35 rm	0,524	166	0,9	1,43	24,38	293	622,4	1266,13
3 x 1,5 re	12,1	22	0,7	1,2	9,31	112	41,4	237,37
3 x 2,5 re	7,41	29	0,7	1,2	10,13	122	68,9	277,52
3 x 4 re	4,61	41	0,7	1,2	11,72	141	110	255,66
3 x 6 re	3,08	49	0,7	1,22	13,25	159	164,85	450,21
3 x 10 rm	1,83	64	0,7	1,28	16,55	199	274,7	672,72
3 x 16 rm	1,15	87	0,7	1,33	19,04	229	439,7	910,98
3 x 25 rm	0,727	110	0,9	1,41	23,23	279	686,75	1350,21
3 x35 rm	0,524	139	0,9	1,46	26,16	314	961,6	1704,86
4 x 1,5 re	12,1	20	0,7	1,2	10,63	128	55,2	178,61
4 x 2,5 re	7,41	27	0,7	1,2	11,54	139	91,87	230,29
4 x 4 re	4,61	37	0,7	1,21	12,66	152	146,67	305,13
4 x 6 re	3,08	45	0,7	1,25	14,77	178	219,8	440,24
4 x 10 rm	1,83	59	0,7	1,32	18,63	224	366,26	716,61
4 x 16 rm	1,15	80	0,7	1,37	21,19	255	586,27	1004,92
4 x 25 rm	0,727	101	0,9	1,46	26,05	312	915,67	1547,29
4 x35 rm	0,524	128	0,9	1,53	29,33	352	1282,14	2036,2
5 x 1,5 re	12,1	20	0,7	1,2	11,83	142	69,01	218,91
5 x 2,5 re	7,41	27	0,7	1,2	12,85	154	114,85	282,4
5 x 4 re	4,61	37	0,7	1,2	14,09	169	183,34	374,02
5 x 6 re	3,08	45	0,7	1,27	16,22	195	274,75	528,71
5 x 10 rm	1,83	59	0,7	1,36	20,67	248	457,84	872,99
5 x 16 rm	1,15	80	0,7	1,42	23,74	285	732,85	1241,1
5 x 25 rm	0,727	101	0,9	1,52	28,9	347	1144,59	1883,77
5 x35 rm	0,524	128	0,9	1,59	32,58	391	1602,68	2481,38
3X2.5 re+1x1.5 re	4,61/7,41	35	0.7/0.7	1,2	11,54	139	82,7	221,07
3X4.0 re+1x2.5 re	3,08/4,61	48	0.7/0.7	1,2	12,65	152	132,97	290,87
3x6 re + 1 x4 re	1,83/3,08	58	0.7/0.7	1,25	14,77	178	201,52	421,22
3x10 rm +1x6.0 re	1,15/1,83	93	0.7/0.7	1,31	18,07	217	329,65	643,87
3x16 r +1x10 rm	0,727/1.15	116	0.7/0.7	1,37	21,19	255	531,27	950,35
3x25 rm +1x16 rm	0,524/1,15	162	0.9/0.7	1,45	25,2	303	833,32	1391,01
3x35 rm +1x16 rm	0,387/0,727	197	0.9/0.9	1,49	27,57	331	1108,2	1700,86
3x50 rm +1x25 rm	0,268/0,524	249	1.0/0.9	1,6	33,03	397	1602,42	2458,73
3x70 rm +1x35 rm	0,193/0,387	313	1.1/0.9	1,69	37,71	453	2443,4	3331,02
3x95 rm +1x50 rm	0,153/0,268	377	1.1/1.0	1,78	42,78	595	3067,64	4445,16
3x120 rm +1x70 rm	0,124/0,268	447	1.2/1.1	1,86	46,86	563	3939,36	5526,09
3x150 rm +1x95 rm	0,0991/0,193	510	1.4/1.1	2	54,03	649	4761,47	7208,66
3x185 rm +1x95 rm	0,0754/0,153	592	1.6/1.1	2,07	57,47	690	5951,9	8254,45
3x240 rm +1x120 rm	4,61/7,41	702	1.7/1.2	2,19	64	768	8051,6	10486,11