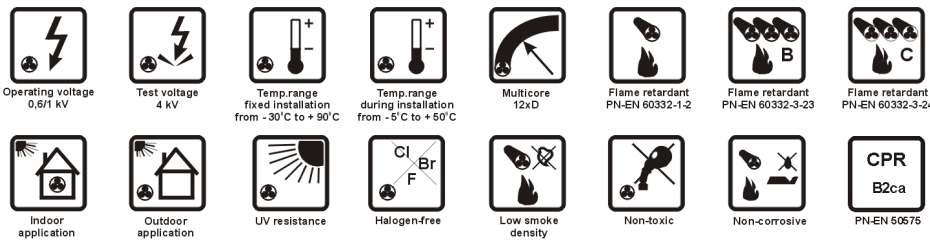


TECHNOPOWER N2XH-O B2ca 0,6/1 kV
TECHNOPOWER N2XH-J B2ca 0,6/1 kV multicore



APPLICATIONS

N2XH-O B2ca 0,6/1 kV and N2XH-J B2ca 0,6/1 kV power cables are designed for electric power transmission. They are also applied in control, protection and monitoring systems in power engineering. The cables are suitable for industrial applications, such as production plants or air-conditioning systems operating in dry and wet locations, also for outdoor installations. Cables can be laid in concrete. Laying cables in water or direct earth burial is only permitted if additional protection is used. Halogen free cables shall be applied in locations where, in case of fire, higher safety for human beings and expensive electronic equipment is required. The cables are flame retardant and their smoke emission is low, emitted fumes are non toxic and non corrosive.

CONSTRUCTION

- bare annealed copper conductors meeting requirements of PN-EN 60228 standard:
 - RE - class 1 circular single-wire,
 - RM - class 2 circular multi-wire,
- cross-linked polyethylene (XLPE) insulation, colours:
 - in accordance with PN-HD 308 standard,
 - or black and white conductor number printed on it;
 - green-yellow protective conductor in the outer layer in N2XH-J B2ca 0,6/1 kV cable,
- insulated conductors laid-up into a cable core,
- inner covering made of halogen free compound (HFFR),
- cable sheath made of halogen free compound (HFFR), black, other colours also available.

CHARACTERISTICS

Conductor cross-section	mm ²	1.5	2.5	4	6	10	16	25	35
DC conductor resistance at 20°C, maximum	Ω/km	12.1	7.41	4.61	3.08	1.83	1.15	0.727	0.524
Conductor cross-section	mm ²	50	70	95	120	150	185	240	300
DC conductor resistance at 20°C, maximum	Ω/km	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601



Operating voltage U ₀ /U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	100 MΩ·km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
during operation	from - 30 to + 90°C
during installation	from - 5 to + 50°C
Minimum bending radius	12 x cable diameter
Corrosivity of emitted gases per	PN-EN 60754-1, PN-EN 60754-2, IEC 60754-2
pH	>4.3
conductivity	<2.5 μS/mm
Smoke density	PN-EN 61034-2, IEC 61034-2

Light transmittance, minimum	60%
Cable combustibility	flame retardant
Combustibility tests	PN-EN 50399; PN-EN 60332-1-2, IEC 60332-1-2,
> 25 mm ²	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm ²	PN-EN 60332-3-24, IEC 60332-3-24
Reference standards	PN-HD 604 S1, IEC 60502-1, DIN VDE 0276 part 604
CPR – class reaction on fire	B2ca – s1b,d0,a1
DoP declarations are available at	www.technokabel.com.pl

The cable meets requirements of the low voltage direction 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Fire load
	mm ²	mm	kg/km	kg/km	kWh/m
N2XH-O B2ca					
1897 001	2 x 1,5 RE	7.9	28.8	103	0.37
1897 002	2 x 2,5 RE	8.7	48.0	134	0.44
1897 003	2 x 4 RE	9.6	76.8	177	0.52
1897 004	2 x 6 RE	10.6	115.2	231	0.61
1897 005	2 x 10 RE	12.2	192.0	336	0.77
1897 006	2 x 16 RE	14.0	307.2	481	1.00
1897 007	2 x 25 RM	17.9	480.0	757	1.60
1897 008	2 x 35 RM	20.0	672.0	993	1.89
1897 009	2 x 50 RM	22.9	960.0	1335	2.45
1897 010	2 x 70 RM	26.8	1344	1876	3.30
1897 011	2 x 95 RM	30.3	1824	2581	4.09
1897 012	2 x 120 RM	34.1	2304	3160	5.20
N2XH-J B2ca					
1897 013	3 x 1,5 RE	8.5	43.2	125	0.41
1897 014	3 x 2,5 RE	9.3	72.0	163	0.47
1897 015	3 x 4 RE	10.3	115.2	220	0.56
1897 016	3 x 6 RE	11.4	172.8	292	0.66
1897 017	3 x 10 RE	13.1	288.0	431	0.83
1897 018	3 x 16 RE	15.1	460.8	628	1.04
1897 019	3 x 25 RM	19.3	720.0	982	1.64
1897 020	3 x 35 RM	21.8	1008	1311	2.02
1897 021	3 x 50 RM	24.7	1440	1752	2.53

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Fire load
	mm ²	mm	kg/km	kg/km	kWh/m
1897 022	3 x 70 RM	28.8	2016	2463	3.29
1897 023	3 x 95 RM	32.8	2736	3441	4.11
1897 024	3 x 120 RM	36.4	3456	4133	5.18
1897 025	3 x 150 RM	41.0	4320	5235	6.54
1897 026	3 x 185 RM	46.0	5328	6551	8.12
1897 027	3 x 240 RM	51.3	6912	8453	10.07
N2XH-J B2ca					
1897 028	4 x 1,5 RE	9.6	57.6	159	0.51
1897 029	4 x 2,5 RE	10.5	96.0	209	0.59
1897 030	4 x 4 RE	11.6	153.6	283	0.69
1897 031	4 x 6 RE	12.8	230.4	376	0.83
1897 032	4 x 10 RE	14.7	384.0	556	1.04
1897 033	4 x 16 RE	17.1	614.4	819	1.30
1897 034	4 x 25 RM	21.8	960.0	1276	2.02
1897 035	4 x 35 RM	24.4	1344	1692	2.41
1897 036	4 x 50 RM	27.8	1920	2275	3.06
1897 037	4 x 70 RM	32.4	2688	3198	4.10
1897 038	4 x 95 RM	37.0	3648	4493	5.09
1897 039	4 x 120 RM	41.2	4608	5417	6.21
1897 040	4 x 150 RM	46.0	5760	6791	7.79
1897 041	4 x 185 RM	51.6	7104	8492	9.61
1897 042	4 x 240 RM	57.5	9216	10965	11.96

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Fire load	Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Fire load
	mm ²	mm	kg/km	kg/km	kWh/m		mm ²	mm	kg/km	kg/km	kWh/m
N2XH-J B2ca						1897 056	5 x 185 RM	58.9	8880	10761	12.72
1897 043	5 x 1,5 RE	11.1	72.0	211	0.70	1897 057	5 x 240 RM	65.7	11520	13894	15.41
1897 044	5 x 2,5 RE	12.1	120.0	275	0.80	1897 058	7 x 1,5	11.9	100.8	254	0.78
1897 045	5 x 4 RE	13.4	192.0	369	0.95	1897 059	7 x 2,5	13.0	168.0	335	0.89
1897 046	5 x 6 RE	14.7	288.0	485	1.10	1897 060	7 x 4	14.4	268.8	457	1.04
1897 047	5 x 10 RE	17.1	480.0	722	1.40	1897 061	7 x 6	15.9	403.2	610	1.19
1897 048	5 x 16 RE	19.5	768.0	1041	1.72	1897 062	7 x 10	18.5	672.0	920	1.51
1897 049	5 x 25 RM	24.8	1200	1617	2.63	1897 063	10 x 2.5	15.9	403.2	610	1.23
1897 050	5 x 35 RM	27.8	1680	2146	3.16	1897 064	10 x 4	18.0	384.0	647	1.49
1897 051	5 x 50 RM	31.9	2400	2901	4.11	1897 065	12 x 4	18.5	460.8	731	1.52
1897 052	5 x 70 RM	37.0	3360	4058	5.32	1897 066	14 x 4	19.4	537.6	824	1.64
1897 053	5 x 95 RM	42.3	4560	5697	6.75						
1897 054	5 x 120 RM	46.9	5760	6849	8.13						
1897 055	5 x 150 RM	52.7	7200	8633	10.40						

TECHNOKABEL SA reserves the right to change specifications without prior notice.