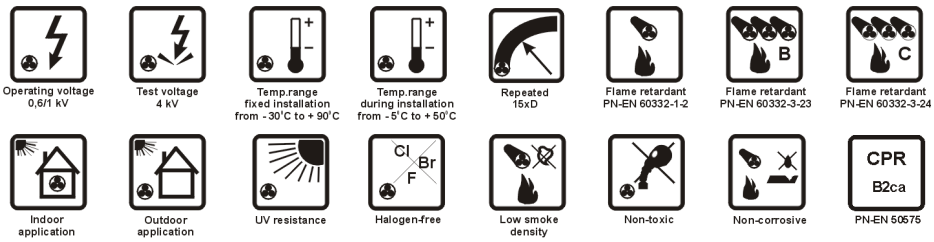
TECHNOKABEL®
Connecting since 1982

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



APPLICATIONS

TECHNOPOWER N2XH-O B2ca 0,6/1 kV and **TECHNOPOWER N2XH-J B2ca 0,6/1 kV** singlecore 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:
  black in **TECHNOPOWER N2XH-O B2ca 0,6/1 kV** cable,
  green-yellow in **TECHNOPOWER N2XH-J B2ca 0,6/1 kV** cable,
- 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	mm²	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	mm²	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

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RoHS COMPLIANT CE

Operating voltage Uo/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 combustibillity	flame retardant
Combustibillity tests	PN-EN 50399; PN-EN 60332-1-2, IEC 60332-1-2,
> 25 mm²	PN-EN 60332-3-23, IEC 60332-3-23
< 25 mm²	PN-EN 60332-3-24, IEC 60332-3-24
Referance standards	PN-HD 604 S1, IEC 60502-1, DIN VDE 0276 part 604
CPR – class reaction on fire	B2ca – s1b,d2,a1
DoP declarations are avalible 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
	mm²	mm	kg/km	kg/km	kWh/m
	N2XH-O B2ca				
1897 091	1 x 16 RE	9.8	153.6	237	0.48
1897 084	1 x 25 RM	11.7	240.0	345	0.63
1897 092	1 x 35 RM	12.7	336.0	443	0.70
1897 085	1 x 50 RM	14.1	480.0	579	0.81
1897 086	1 x 70 RM	15.9	672.0	791	0.96
1897 087	1 x 95 RM	17.8	912.0	1094	1.13
1897 082	1 x 120 RM	19.5	1152	1299	1.29
1897 088	1 x 150 RM	22.4	1440	1669	1.80
1897 089	1 x 185 RM	24.8	1776	2065	2.13
1897 090	1 x 240 RM	27.2	2304	2636	2.44
1897 083	1 x 300 RM	29.4	2880	3190	2.81

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)	Fire load
	mm²	mm	kg/km	kg/km	kWh/m
	N2XH-J B2ca				
1897 103	1 x 16 RE	9.8	153.6	237	0.48
1897 093	1 x 25 RM	11.7	240.0	345	0.63
1897 094	1 x 35 RM	12.7	336.0	443	0.70
1897 095	1 x 50 RM	14.1	480.0	579	0.81
1897 096	1 x 70 RM	15.9	672.0	791	0.96
1897 097	1 x 95 RM	17.8	912.0	1094	1.13
1897 098	1 x 120 RM	19.5	1152	1299	1.29
1897 099	1 x 150 RM	22.4	1440	1669	1.80
1897 100	1 x 185 RM	24.8	1776	2065	2.13
1897 101	1 x 240 RM	27.2	2304	2636	2.44
1897 102	1 x 300 RM	29.4	2880	3190	2.81

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