

N2XH-J (O) 0,6/1 kV B2ca

Safety and halogen-free cables



TECHNICAL INFORMATION:

Power cable with copper wires, with cross-linked polyethylene insulation (2X) and halogen-free flame-retardant material sheath (H), with limited smoke and corrosive gas generation during combustion, with (J) or without a protective core (O).

CONSTRUCTION:

Conductors	copper single-wire class 1 or multi-wire class 2, to PN-EN 60228
Insulation	special halogen-free cross-linked polyethylene XLS
Insulation colour	N2XH-O 1-conductor: black 2-conductor: blue, brown 3-conductor: brown, black, grey or blue, brown, black 4-conductor: blue, brown, black, grey 5-conductor: blue, brown, black, grey, black N2XH-J 1-conductor: green-yellow 2-conductor: green-yellow, black 3-conductor: green-yellow, blue, brown 4-conductor: green-yellow, brown, black, grey or green-yellow, blue, brown, black 5-conductor: green-yellow, blue, brown, black, grey
Filling compound	special halogen-free rubber
Sheath	special halogen-free, self-extinguishing, +flame-retardant, black colour
Operating temperature	od -40°C do +90°C
Lowest installation temperature	-5°C
Maximum short-circuit conductor temperature:	+250°C
Rated voltage	0,6/1 kV
Bending radius	for single-conductor cables - 15 x conductor outer diameter for multi-conductor cables - 12 x conductor outer diameter
Application	halogen-free power cables for installation in facilities where human life or material goods must be protected in case of fire, the cables are intended for laying in dry and wet rooms, on plaster, in plaster and under plaster, in masonry walls and directly in concrete, only for permanent installations, in the case of installation outside or underground, cables should be placed in cable ducts or tubes

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Fire performance	flame retardant: IEC 60332-1-2 , PM-EN 60332-1-2 smoke density: IEC 61034-2, PN-EN 61034-2 light transmittance values $\geq 60\% < 80\%$ gases evolved during combustion: IEC 60754-2, PN-EN 60754-2: pH $> 4,3$, conductivity $< 2,5\mu\text{S}/\text{mm}$ reaction to fire class (according to EN 50575): single-core cables: B2ca-s1b,d1,a1 multi-core cables: B2ca-s1b,d0,a1
Packing	drums; other containers on customer's request

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Conductor number and rated cross-section [n x mm ²]	Approximate external cable diameter [mm]	Approximate cable weight [kg/km]
1 x 16 RE	8,3	191
1 x 25 RM	10,4	299
1 x 35 RM	11,5	397
1 x 50 RM	12,9	509
1 x 70 RM	14,5	711
1 x 95 RM	16,4	943
1 x 120 RM	17,9	1211
1 x 150 RM	20,2	1500
1 x 185 RM	22,2	1857
1 x 240 RM	24,9	2339
1 x 300 RM	27,3	2921
2 x 1,5 RE	8,3	108
3 x 1,5 RE	8,9	131
3 x 2,5 RE	9,7	169
3 x 4 RE	10,7	226
3 x 6 RE	11,8	299
3 x 10 RE	14,3	464
3 x 16 RE	16,8	687
4 x 1,5 RE	9,7	155
4 x 2,5 RE	10,5	203
4 x 4 RE	11,7	275
4 x 6 RE	12,9	367
4 x 10 RE	15,5	577
4 x 16 RE	18,3	852
4 x 25 RM	23,7	1379
4 x 35 RM	26,6	1836
4 x 50 RM	30,2	2388
5 x 1,5 RE	10,4	185
5 x 2,5 RE	11,4	243
5 x 4 RE	12,7	332
5 x 6 RE	14,0	446
5 x 10 RE	17,1	691
5 x 16 RE	19,9	1038
5 x 25 RM	26,1	1686
5 x 35 RM	29,1	2233
5 x 50 RM	33,3	2924

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