

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

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	cross-linked polyethylene
Insulation colour	N2XH-O 1-conductor: black (other colours on request) 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 over 5 conductors - numbered conductors 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 over 5 conductors - numbered conductors, green-yellow
Filling compound	special halogen-free rubber
Sheath	special halogen-free, self-extinguishing, +flame-retardant, black colour
Operating temperature	od -40°C do +90°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 supply cables for installations in facilities where human life and property must be protected against fire (hotels, hospitals, schools, airports, underground and train stations, industrial installations); cables to be laid in dry and moist rooms, over and in plasterwork, in brick walls and directly in concrete; only permanent installation possible; in outdoor or underground installations cables must be laid in cable ducts or tubes

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Test	resistance of a single cable to flame propagation (fire resistance): PN-EN 60332-1, IEC 60332-1 resistance of a cable bundle to flame propagation: PN-EN 60332-3-24, IEC 60332-3 Emission of corrosive gases during combustion: PN-EN 50267, IEC 60754-2 emission of smoke density during combustion: PN-EN 61034-1(-2), IEC 61034-1(-2), DIN-VDE 0482-1034-2
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 1,5 RE	5,2	39
1 x 2,5 RE	5,5	51
1 x 4 RE	6,0	67
1 x 6 RE	6,5	87
1 x 10 RE	7,3	128
1 x 16 RE	8,3	194
1 x 25 RM	10,2	292
1 x 35 RM	11,4	386
1 x 50 RM	13,0	524
1 x 70 RM	14,6	710
1 x 95 RM	16,4	967
1 x 120 RM	18,0	1179
1 x 150 RM	20,5	1517
1 x 185 RM	22,2	1845
1 x 240 RM	25,2	2353
1 x 300 RM	27,4	2866
1 x 400 RM	31,2	3853
2 x 1,5 RE	8,9	119
2 x 2,5 RE	9,7	150
2 x 4 RE	10,6	195
2 x 6 RE	11,6	250
2 x 10 RE	13,2	360
2 x 16 RE	15,5	542
2 x 25 RM	19,7	852
2 x 35 RM	22,1	1113
2 x 50 RM	25,7	1526
2 x 70 RM	28,8	2024
3 x 1,5 RE	9,3	134
3 x 2,5 RE	10,1	174
3 x 4 RE	11,1	231
3 x 6 RE	12,2	302
3 x 10 RE	14,2	454
3 x 16 RE	16,4	683
3 x 25 RM	20,9	1070
3 x 35 RM	23,5	1407
3 x 50 RM	27,4	1937
3 x 70 RM	31,1	2631
3 x 95 RM	34,9	3531

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3 x 120 RM	38,9	4352
3 x 150 RM	44,3	5599
3 x 185 RM	47,9	6759
3 x 240 RM	54,4	8628
3 x 300 RM	59,1	10447
4 x 1,5 RE	10,0	157
4 x 2,5 RE	10,9	207
4 x 4 RE	12,1	278
4 x 6 RE	13,3	372
4 x 10 RE	15,5	564
4 x 16 RE	18,0	858
4 x 25 RM	23,0	1343
4 x 35 RM	26,1	1790
4 x 50 RM	30,6	2480
4 x 70 RM	34,4	3327
4 x 95 RM	39,1	4533
4 x 120 RM	43,1	5525
4 x 150 RM	49,1	7114
4 x 185 RM	53,1	8606
4 x 240 RM	60,4	10990
5 x 1,5 RE	10,8	184
5 x 2,5 RE	11,9	245
5 x 4 RE	13,1	333
5 x 6 RE	14,7	455
5 x 10 RE	17,0	682
5 x 16 RE	20,0	1054
5 x 25 RM	25,6	1649
5 x 35 RM	28,8	2181
5 x 50 RM	33,8	3023
5 x 70 RM	38,5	4114
5 x 95 RM	43,2	5548
5 x 120 RM	47,7	6768
5 x 150 RM	54,5	8719
5 x 185 RM	53,4	9974
7 x 1,5 RE	11,9	231
7 x 2,5 RE	13,0	311
7 x 4 RE	14,9	447
7 x 6 RE	16,4	600
10 x 1,5 RE	15,1	335
10 x 2,5 RE	16,7	452
10 x 4 RE	18,6	623
12 x 1,5 RE	15,5	373
12 x 2,5 RE	17,2	508
12 x 4 RE	19,2	707
14 x 1,5 RE	16,3	416
14 x 2,5 RE	18,0	571
14 x 4 RE	20,1	799
19 x 1,5 RE	18,4	546

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19 x 2,5 RE	20,4	752
19 x 4 RE	22,7	1057
24 x 1,5 RE	21,2	681
24 x 2,5 RE	23,6	942
30 x 1,5 RE	22,4	800
30 x 2,5 RE	24,9	1119
37 x 1,5 RE	24,4	949
37 x 2,5 RE	27,2	1337
40 x 1,5 RE	24,8	1010
40 x 2,5 RE	27,7	1427
47 x 1,5 RE	27,4	1167
47 x 2,5 RE	30,6	1654

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