

Cables 0,6/1 kV

N2XOH



Description

The N2XOH 0.6/1kV cables are those recommended to transport and distribute low voltage electrical energy. Recommended for industrial connections, supplies, internal distribution and outdoor connections. They can be used in sub-surface networks and permanent installations.

Reference Standards: DIN VDE 0276-604 and IEC 60502

Applications

Suitable for the following installations:

- Sub-surface power source networks for outdoor lighting installations
- General supply line
- Individual bypass
- Interior or receptor installations
- Public premises
- Sub-surface networks for low voltage distribution
- Electric energy distribution networks. Sub-surface supply lines
- Installations in premises with special features

Suitable for installations where there is a need to increase protection against fire hazards

Technical Characteristics

1. Conductor	Rigid electrolytic copper (Class I or II) in compliance with DIN-VDE 0295, UNE-EN 60228, EN 60228 and IEC 60228
2. Insulation	Cross-linked polyethylene (XLPE), type DIX 3 in compliance with DIN VDE 0276-603 e IEC 60502 e IEC 60502 and HD 603S1
3. Sheath	Halogen-free thermoplastic polyolefin in compliance with DIN VDE 0276-604 e IEC 60502 e IEC 60502
Nominal voltage	0,6/1 kV
Test voltage	3.500 V A.C.
Maximum temperature	90 °C

Other characteristics

Built in compliance with VDE 0276-604

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

Non-fire propagating in accordance with UNE-EN 60332-3-24, EN 60332-3-24 and IEC 60332-3-24

Low emission of halogen and corrosive gases in compliance with IEC 60754-1 and 60754-2

Low emission of opaque fumes in compliance with DIN VDE 0482 part 268

The use of cross-linked polyethylene (XLPE) allows a greater density of current, equality of cross-section, when compared to insulation with PVC

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x1,5	12,1	4,95	38
1x2,5	7,41	5,30	48
1x4	4,61	5,90	67
1x6	3,08	6,50	88
1x10	1,83	7,40	130
1x16	1,15	8,65	187
1x50	0,387	13,00	518
1x95	0,193	16,90	966
1x185	0,101	23,20	1.869
1x300	0,062	28,80	3.035
1x400	0,0465	35,10	4.092
2x1,5	12,1	8,50	103
2x2,5	7,41	9,25	131
2x4	4,61	10,60	184
2x6	3,08	11,80	241
2x10	1,83	13,80	356
2x16	1,15	15,90	506
2x25	0,727	19,30	765
3G1,5	12,1	8,95	120
3G2,5	7,41	9,90	160
3G4	4,61	11,10	222
3G6	3,08	12,40	295
3G10	1,83	14,55	444

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
3x16	1,15	16,80	641
3x25	0,727	20,45	976
4x1,5	12,1	9,80	146
4x2,5	7,41	10,65	190
4x4	4,61	12,00	269
4x6	3,08	13,65	367
4x10	1,83	16,05	557
4x16	1,15	18,35	799
4x25	0,727	22,60	1.232
4x35	0,524	26,05	1.683
5x1,5	12,1	10,55	169
5x2,5	7,41	11,50	223
5x4	4,61	13,25	324
5x6	3,08	14,85	436
5x10	1,83	17,50	666
5x16	1,15	20,25	971
5x25	0,727	24,75	1.486
5x35	0,524	28,80	2.049
7x1,5	12,1	11,30	208
7x2,5	7,41	12,35	280
7x4	4,61	14,30	414
27x1,5	12,1	19,05	626
37x1,5	12,1	22,40	835