

Cables 0,6/1 kV

N2XH



Description

The N2XH 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

Colours in compliance VDE 0293-308, VDE 0276 part 603, HD 308S2, EN 50334 and VDE 0293-334

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

Non-fire propagating according 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)	Class
1x1,5	12,1	6,45	55	Cca- s1b. d1. a1
1x2,5	7,41	6,75	66	Cca- s1b. d1. a1
1x4	4,61	7,35	86	Cca- s1b. d1. a1
1x6	3,08	7,95	108	Cca- s1b. d1. a1
1x10	1,83	8,80	150	Cca- s1b. d1. a1
1x16	1,15	10,00	211	Cca- s1b. d1. a1
1x25	0,727	11,45	314	Cca- s1b. d1. a1
1x35	0,524	12,80	412	Cca- s1b. d1. a1
1x50	0,387	14,70	560	Cca- s1b. d1. a1
2x1,5	12,1	9,50	131	Cca- s1b. d1. a1
2x2,5	7,41	10,10	159	Cca- s1b. d1. a1
2x4	4,61	11,50	217	Cca- s1b. d1. a1
2x6	3,08	12,60	276	Cca- s1b. d1. a1
2x10	1,83	14,10	382	Cca- s1b. d1. a1
2x16	1,15	16,10	534	Cca- s1b. d1. a1
2x25	0,727	19,30	802	Cca- s1b. d1. a1
2x35	0,524	22,00	1.065	Cca- s1b. d1. a1
3G1,5	12,1	9,75	143	Cca- s1b. d1. a1
3G2,5	7,41	10,00	170	Cca- s1b. d1. a1
3G4	4,61	12,05	256	Cca- s1b. d1. a1
3G6	3,08	14,75	312	Cca- s1b. d1. a1

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
3G6	3,08	13,20	331	Cca- s1b. d1. a1
3x10	1,83	14,75	467	Cca- s1b. d1. a1
3x16	1,15	17,10	674	Cca- s1b. d1. a1
3x25	0,727	20,45	1.015	Cca- s1b. d1. a1
4x1,5	12,1	10,80	176	Cca- s1b. d1. a1
4x2,5	7,41	11,50	221	Cca- s1b. d1. a1
4x4	4,61	12,95	305	Cca- s1b. d1. a1
4x6	3,08	14,30	400	Cca- s1b. d1. a1
4G6	3,08	14,30	400	Cca- s1b. d1. a1
4x10	1,83	16,10	577	Cca- s1b. d1. a1
4x16	1,15	18,50	827	Cca- s1b. d1. a1
4x25	0,727	22,35	1.265	Cca- s1b. d1. a1
5G1,5	12,1	11,50	201	Cca- s1b. d1. a1
5G2,5	7,41	12,25	254	Cca- s1b. d1. a1
5G4	4,61	13,95	358	Cca- s1b. d1. a1
5x6	3,08	15,00	421	Cca- s1b. d1. a1
5G6	3,08	15,45	471	Cca- s1b. d1. a1
5x10	1,83	17,10	687	Cca- s1b. d1. a1
5G16	1,15	20,20	992	Cca- s1b. d1. a1
5x25	0,727	24,50	1.523	Cca- s1b. d1. a1