

N2XH Power Cable-LSZH Cable

1. Product Overview

N2XH/N2XH-J/N2XH-O is a high-performance Low Smoke Zero Halogen (LSZH) power cable designed for fixed installations in industrial and commercial environments where stringent fire safety standards are required. Its XLPE insulation and LSZH sheath ensure minimal smoke emission and zero halogen gas release during fire incidents, prioritizing life safety and infrastructure integrity.

2. Technical Specifications

Feature	Specification
Cable Type	N2XH, N2XH-J, N2XH-O
Standard	DIN VDE 0276-604
Voltage Rating	0.6 / 1 kV
Conductor	Annealed Copper (Class 1 or 2)
Insulation	XLPE (Cross-linked Polyethylene)
Sheath	LSZH (Low Smoke Zero Halogen)
Max. Operating Temp.	+90°C
Flame Retardancy	IEC 60332-3
Halogen-Free	IEC 60754-1/2
Smoke Density	IEC 61034-2

3. Recommended Applications

- Industrial power distribution networks
- High-rise buildings and commercial complexes
- Public infrastructure (Airports, Railway Stations)
- Data centers and critical control facilities
- Indoor and outdoor fixed installations (in conduit or wall)

4. Professional Support

Heron Cable provides factory-direct pricing and professional technical support for large-scale export projects.

5.Specification Details:

Dimensions - Number of cores x cross- section	The outer diameter	thickness of insulation	shell thickness	Resistance to keep the handlers safe at 20 ° C	weight of cable
N x mm ²	mm	mm	mm	Ω /km	kg/km
1 x 1,5	5,4	1,38	0,15	12,10	43
1 x 4	6,4	2,25	0,20	4,61	75
1 x 16	9,1	5,00	0,36	1,15	202
1 x 25	11	6,10	0,48	0,727	302
1 x 70	15	10,10	0,84	0,268	745
1 x 95	17	11,90	0,97	0,193	986
1 x 185	23	16,20	1,72	0,0991	1888
1 x 300	28	20,60	2,34	0,0601	2945
2 x 1,5	9	1,38	0,38	12,10	120
2 x 2,5	10	1,78	0,45	7,41	154
2 x 16	16	5,00	1,06	1,15	563

2 x 25	20	6,10	1,52	0,727	840
2 x 35	22	7,20	1,79	0,524	1106
2 x 120	36	13,00	4,23	0,153	3343
2 x 300	55	20,60	9,39	0,0601	8072
3 x 1,5	9	1,38	0,44	12,10	135
3 x 2,5	10	1,78	0,51	7,41	181
3 x 4	11	2,25	0,60	4,61	242
3 x 10	14	3,57	0,83	1,83	464
3 x 16	17	5,00	1,22	1,15	697
3 x 35	23	7,20	2,08	0,524	1393
3 x 50	26	8,30	2,56	0,387	1847
3 x 70	31	10,10	3,43	0,268	2666
3 x 95	36	11,90	4,17	0,193	3535
3 x 120	38	13,00	4,74	0,153	4322
3 x 185	48	16,20	7,40	0,0991	6742

3 x 300	59	20,60	10,79	0,0601	10522
4 x 1,5	10	1,38	0,52	12,10	163
4 x 2,5	11	1,78	0,60	7,41	214
4 x 10	16	3,57	1,03	1,83	586
4 x 16	19	5,00	1,50	1,15	874
4 x 35	26	7,20	2,57	0,524	1777
4 x 50	29	8,30	3,15	0,387	2343
4 x 120	43	13,00	5,98	0,153	5558
4 x 185	53	16,20	9,35	0,0991	8657
4 x 240	60	18,80	11,54	0,0754	11385
4 x 300	65	20,60	13,44	0,0601	13539
5 x 1,5	11	1,38	0,62	12,10	193
5 x 4	13	2,25	0,85	4,61	352
5 x 6	15	2,76	0,99	3,08	475
5 x 16	21	5,00	1,87	1,15	1081

5 x 25	26	6,10	2,61	0,727	1631
5 x 50	33	8,30	3,89	0,387	2915