



Application

Designed for fixed indoor installations in dry or damp environments, N2XH cable is suitable for installation in walls, on mounting boards, in cable ducts, or embedded in plaster. It is commonly used in power and lighting circuits within residential, commercial, and industrial buildings. With a halogen-free, low-smoke, and low-corrosive gas-emission sheath, this cable is particularly well-suited for areas with high fire safety requirements such as hospitals, schools, airports, data centres, and other public spaces. Please note: Not suitable for direct burial in the ground or for continuous immersion in water.

Characteristics

Voltage rating (Uo/U) 0,6/1 kV
Min. temp. for cable laying -5°C
Max. working temperature 90°C
Max. short-circuit temperature 250°C
Min. bending radius single-core - 6D
CPR class B2ca – s1,d1,a1

Standards

HD 604 S1, IEC 60502-1

Construction

Conductor Cu, class 5 according to EN 60228
Insulation XLPE (Cross-Linked Polyethylene)
Outer sheath HFFR compound

Regulatory Compliance



Core Identification

1-core: Black OR Green/Yellow
2-core: Blue + Brown
3G-core: Blue + Brown + Green/Yellow
3-core: Brown + Black + Grey
4G-core: Brown + Black + Grey + Green/Yellow
4-core: Brown + Black + Grey + Blue
5G-core: Brown + Black + Grey + Blue + Green/Yellow



Sheath Colour

Black



RESPONSIBLY
PRODUCED
COPPER

The Copper Mark Partnership

- IEWC promotes sustainable practices by our suppliers
- Copper Mark promotes seven of 17 UN Global Sustainability Goals
- Copper Mark recipients cover
- 20% of global copper production

Nominal cross-section	Max. resistance at 20°C	Current capacity in	Current capacity in earth	Outer diam. (approx.)	(Cu weight)	Cable weight (approx.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
1x10	1,910	77	89	8,9	96	150
1x16	1,210	102	115	10,1	154	216
1x25	0,780	138	148	12,0	240	321
1x35	0,554	170	177	13,4	336	429
1x50	0,386	207	209	15,6	480	599
1x70	0,272	263	256	17,9	672	815
1x95	0,206	325	307	20,1	912	1082
1x120	0,161	380	349	22,2	1152	1347
1x150	0,129	437	393	24,6	1440	1670
1x185	0,106	507	445	27,2	1776	2056
1x240	0,0801	604	517	30,6	2304	2641
1x300	0,0641	697	583	33,8	2880	3264
1x400	0,0440	811	663	38,4	3840	4315
1x500	0,0366	940	749	43,0	4800	5374
1x630	0,0283	1083	843	47,6	6048	6731
2x1,5	13,3	24	31	10,4	28,8	142
2x2,5	7,98	32	40	11,4	48,0	181
2x4	4,95	42	52	12,2	76,8	227
2x6	3,30	53	64	13,8	115,2	301
2x10	1,91	74	86	16,0	192,0	434
2x16	1,21	98	112	18,8	307,2	628
2x25	0,780	133	145	21,6	480,0	899
2x35	0,554	162	174	24,6	672,0	1198
2x50	0,386	197	206	28,0	960,0	1629

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Nominal cross-section	Max. resistance at 20°C	Current capacity in	Current capacity in earth	Outer diam. (approx.)	(Cu weight)	Cable weight (approx.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
3x1,5	13,3	24	31	10,9	43,2	162
3x2,5	7,98	32	40	11,9	72,0	211
3x4	4,95	42	52	12,8	115,2	272
3x6	3,30	53	64	14,5	172,8	365
3x10	1,91	74	86	16,9	288,0	536
3x16	1,21	98	112	19,9	460,8	784
3x25	0,780	133	145	22,9	720,0	1143
3x35	0,554	162	174	26,1	1008,0	1532
3x50	0,386	197	206	29,9	1440,0	2109
3x70	0,272	250	254	36,1	2016,0	2967
3x95	0,206	308	305	39,7	2736,0	3854
3x120	0,161	359	348	42,8	3456,0	4743
3x150	0,129	412	392	46,6	4320,0	5859

4x1,5	13,3	24	31	11,6	57,6	188
4x2,5	7,98	32	40	12,9	96,0	249
4x4	4,95	42	52	13,9	153,6	326
4x6	3,30	53	64	15,9	230,4	445
4x10	1,91	74	86	18,4	384,0	655
4x16	1,21	98	112	21,9	614,4	972
4x25	0,780	133	145	25,2	960,0	1423
4x35	0,554	162	174	28,9	1344,0	1923
4x50	0,386	197	206	33,0	1920,0	2647
4x70	0,272	250	254	39,9	2688,0	3718
4x95	0,206	308	305	43,9	3648,0	4853
4x120	0,161	359	348	47,4	4608,0	5994
4x150	0,129	412	392	51,6	5760,0	7422

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Nominal cross-section	Max. resistance at 20°C	Current capacity in	Current capacity in earth	Outer diam. (approx.)	(Cu weight)	Cable weight (approx.)
mm ²	Ω/km	A	A	mm	kg/km	kg/km
5x1,5	13,3	24	31	12,5	72	216
5x2,5	7,98	32	40	13,9	120	291
5x4	4,95	42	52	15,0	192	386
5x6	3,30	53	64	17,3	288	529
5x10	1,91	74	86	20,1	480	784
5x16	1,21	98	112	24,0	768	1170
5x25	0,780	133	145	27,7	1200	1721
5x35	0,554	162	174	26,1	1008,0	1532
5x50	0,386	197	206	36,4	2400	3218

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