



Application

The N2XCH cable is designed for fixed installation in power systems, industrial plants, and switchboards where protection against fire and smoke is critical.

Characteristics

Voltage rating : 0.6/1 kV

Testing voltage: 4 kV

Min. temp. for cable laying: -5°C

Max. working temperature: 90°C

Max. short-circuit temperature: 250°C

Min. bending radius: Single-core - 15D / Multicore - 12D

CPR classification: Cca – s 1, d2, a1

Standards

VDE 0276-604, HD 604 S1

Fire properties: EN 60331-2, EN 60332-3-24

Regulatory Compliance



Construction

Conductors Cu, class 1 or 2 according to EN 60228

Insulation XLPE compound

Bedding Extruded elastomere or plastomere compound or plastic tape

Concentric conductor Copper Wires with Counter Helix of Copper Tape

Sheath HFFR compound

Sheath Colour

Black



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	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	KG/KM	KG/KM
1x150/16	RM	0.124	438	377	24.7	1593.6	1941
1x185/16	RM	0.0991	501	418	26.8	1929.6	2291
1x120/70	RM	0.153	388	341	21.2	1824	2151
1x150/70	RM	0.124	438	377	23.0	2112	2500
1x185/95	RM	0.0991	501	418	25.3	2688	3137
1x240/120	RM	0.0754	580	469	28.2	3456	3985
1x300/150	RM	0.0601	654	514	30.9	4320	4920
1x400/185	RM	0.044	733	565	35.6	5616	6386
3x1.5/1.5	RE	12.1	25	31	13.5	57.6	240
3x2.5/2.5	RE	7.41	33	40	14.4	96	307
3x4/4	RE	4.61	43	52	15.5	153.6	391
3x6/6	RE	3.08	54	65	16.8	230.4	507
3x10/10	RE/RM	1.83	75	87	18.3	384	708
3x16/16	RM	1.15	100	113	21.7	614.4	1020
3x25/16	RM	0.727	136	146	25.1	873.6	1410
3x35/16	SM	0.524	165	176	24	1161.6	1487
3x50/25	SM	0.387	201	208	26.6	1680	2064
3x70/35	SM	0.268	255	256	31.8	2352	2925
3x95/50	SM	0.193	314	307	35.4	3216	3872
3x120/70	SM	0.153	364	349	38.9	4128	4884
3x150/70	SM	0.124	416	391	43.2	4992	5882
3x185/95	SM	0.0991	480	442	47.8	6240	7282
3x240/120	SM	0.0754	565	509	53.9	8064	9400
4x1.5/1.5	RE	12.1	25	31	15.3	72	318
4x2.5/2.5	RE	7.41	33	40	16.3	120	394
4x4/4	RE	4.61	43	52	17.5	192	497
4x6/6	RE	3.08	54	65	18.9	288	637
4x10/10	RE/RM	1.83	75	87	21.3	480	894
4x16/16	RM	1.15	100	113	24	768	1260

NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	A	A	mm	KG/KM	KG/KM
4x25/16	RM	0.727	136	146	27.9	113.6	1763
4x35/16	RM	0.524	165	176	30.7	1497.6	2268
4x50/25	SM	0.387	201	208	34.7	2160	3114
4x70/35	SM	0.268	255	256	41	3024	4358
4x95/50	SM	0.193	314	307	45.9	4128	5732
4x120/70	SM	0.153	364	349	50.90	5280	7217
4x150/70	SM	0.124	416	391	55.7	6432	8738
4x185/95	SM	0.0991	480	442	61.5	8016	10752
4x240/120	SM	0.0754	565	509	69.5	10368	13841
5x1.5/1.5	RE	12.1	25	31	15.1	86.4	313
5x2.5/2.5	RE	7.41	33	40	16.2	144	396
5x4/4	RE	4.61	43	52	17.6	230.4	516
5x6/6	RE	3.08	54	65	19.2	345.6	677
5x10/10	RE/RM	1.83	75	87	21.9	576	978
5x16/16	RM	1.15	100	113	25	921.6	1409
5x25/16	RM	0.727	136	146	29.2	1353.6	2004
5x35/16	RM	0.524	165	176	32.3	1833.6	2604
5x50/25	RM	0.387	201	208	36.7	2640	3600