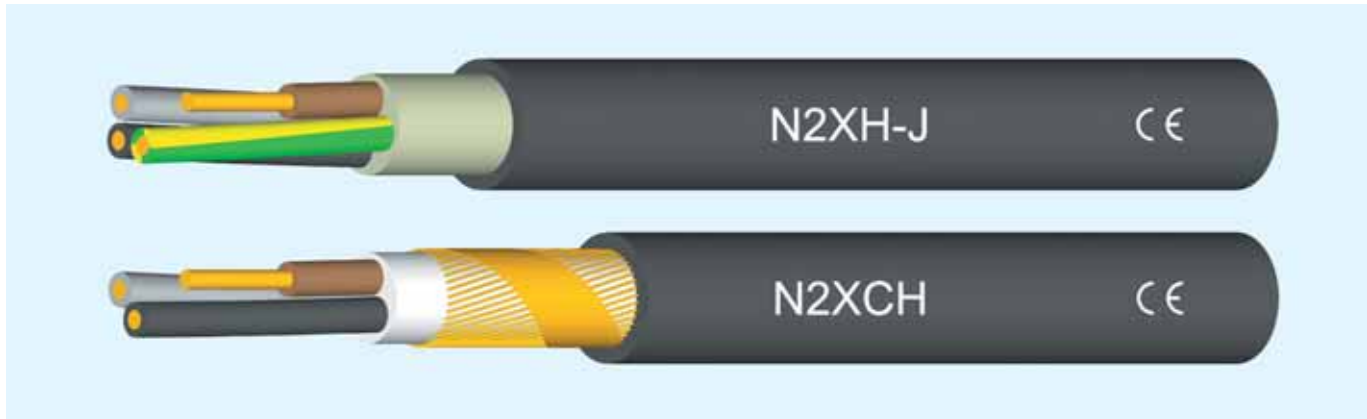


N2XH, N2XCH

Power cable 0,6/1 kV, halogen-free, extensively fire resistant



Cable structure

- Solid or stranded copper core according to DIN VDE 0295 cl. 1 or 2, IEC 60228 cl. 1 or 2
- Core insulation of halogen-free, cross-linked polyethylene compound
- Color coded cores according to DIN VDE 0293-308, green-yellow earth core (3 cores and more)
- Cores stranded in layers with optimal lay length
- Filling compound
- N2XCH version: concentric conductor of copper wire and copper tape
- Halogen-free sheath of thermoplastic polymer compound, color black

Tests

- Flame-retardant to DIN VDE 0482-332-3-24/EN 60332-3-24/IEC 60332-3-24 (cat. C)
- Low corrosiveness of combustion gases to IEC 60754-2
- Halogen-free to IEC 60754-1
- Smoke density to IEC 61034-1, 61034-2

Technical data

- Power and control cable according to DIN VDE 0276 part 604
- **Temperature range** during installation from -5 °C to +50 °C
fixed from -40 °C to +90 °C
max. temperature on core +90 °C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Test voltage** 4000 V
- **Minimum bending radius** for single approx. 15× cable diameter
multicore approx. 12× cable diameter

Color codes N2XCH

- 2-core cable: blue/brown
- 3-core cable: brown/black/grey
- 4-core cable: blue/brown/black/grey
- from 7 conductors black cores with white numbering

Application

Halogen-free power cables with enhanced resistance to fire are used mostly in areas where harm to human life or material must be prevented in case of fire such as industrial and public buildings, hotels, subway systems, hospitals etc. These cables are suitable for dry and wet environments as well as for indoor and outdoor application, in concrete but are not suitable for direct burial into earth or water.

Note

CE = the product is conformed with the EC Low-Voltage Directive 2014/35/EU. Conforms to RoHS. UV resistant version available on request.
 rm = round conductor stranded
 re = round conductor plain

N2XH

Part No.	Number of cores × core cross section [mm ²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0553100	1 × 4 re	9,1	39	140
0553101	1 × 6 re	9,6	58	160
0553102	1 × 10 re	10,2	96	210
0553103	1 × 16 re	11,8	154	270
0553104	1 × 25 rm	12,5	240	380
0553105	1 × 35 rm	14,0	336	490
0553106	1 × 50 rm	15,8	480	620
0553107	1 × 70 rm	17,2	672	830
0553108	1 × 95 rm	19,1	912	1200
0553109	1 × 120 rm	21,2	1152	1500
0553110	1 × 150 rm	22,9	1440	1700
0553111	1 × 185 rm	25,1	1776	2200
0553112	1 × 240 rm	28,5	2304	2750
0553113	1 × 300 rm	31,0	2880	3300
0553114	2 × 1,5 re	12,0	29	180
0553115	2 × 2,5 re	12,2	48	210
0553116	2 × 4 re	13,2	77	278
0553117	2 × 6 re	14,1	115	340
0553118	2 × 10 re	16,2	192	450
0553119	2 × 16 re	17,8	307	600

Part No.	Number of cores × core cross section [mm ²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0553121	3 × 1,5 re	11,2	43	200
0553122	3 × 2,5 re	12,1	72	250
0553123	3 × 4 re	13,0	115	330
0553124	3 × 6 re	14,1	173	410
0553125	3 × 10 re	16,2	288	550
0553126	3 × 16 re	18,5	461	790
0553127	3 × 25 rm	21,8	720	1200
0553128	3 × 35 rm	24,9	1008	1600
0553129	3 × 50 rm	25,2	1440	1800
0553130	3 × 70 rm	29,2	2016	2500
0553131	3 × 95 rm	32,0	2736	3300
0553132	3 × 120 rm	34,9	3456	4050
0553133	3 × 150 rm	39,2	4320	4900
0553134	3 × 185 rm	44,1	5328	5100
0553135	3 × 240 rm	49,2	6912	7800
0553136	3 × 50/25 rm	28,5	1680	2200
0553137	3 × 70/35 rm	31,4	2352	2950
0553138	3 × 95/50 rm	34,9	3216	3900
0553139	3 × 120/70 rm	38,0	4128	4800
0553140	3 × 150/70 rm	43,3	4992	5750

N2XH, N2XCH

Power cable 0,6/1 kV, halogen-free, extensively fire resistant

Part No.	Number of cores × core cross section [mm ²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	
0553141	3 × 185/95	rm	47,2	6240	7200
0553142	3 × 240/120	rm	53,4	8064	9150
0553143	4 × 1,5	re	12,2	58	230
0553144	4 × 2,5	re	13,3	96	290
0553145	4 × 4	re	14,0	154	380
0553146	4 × 6	re	15,1	230	490
0553147	4 × 10	re	17,2	384	670
0553148	4 × 16	re	19,5	614	930
0553149	4 × 25	rm	24,2	960	1450
0553150	4 × 35	rm	27,6	1344	1900
0553151	4 × 50	rm	29,5	1920	2300
0553152	4 × 70	rm	33,2	2668	3200
0553153	4 × 95	rm	37,0	3648	4200
0553154	4 × 120	rm	40,2	4608	4300
0553155	4 × 150	rm	45,8	5760	6350
0553156	4 × 185	rm	49,5	7104	7800
0553157	4 × 240	rm	56,0	9216	10300
0553158	5 × 1,5	re	13,2	72	270
0553159	5 × 2,5	re	14,2	120	340
0553160	5 × 4	re	15,5	192	450

N2XCH

0553200	2 × 1,5	re/1,5	12,1	53	210
0553201	2 × 2,5	re/2,5	13,2	81	255
0553202	2 × 4	re/4	14,1	122	320
0553203	2 × 6	re/6	15,0	183	400
0553204	2 × 10	re/10	16,9	311	560
0553205	2 × 16	re/16	19,1	490	780
0553206	3 × 1,5	re/1,5	13,1	67	230
0553207	3 × 2,5	re/2,5	14,2	103	285
0553208	3 × 4	re/4	15,2	160	365
0553209	3 × 6	re/6	16,1	242	460
0553210	3 × 10	re/10	18,2	406	660
0553211	3 × 16	re/16	19,7	642	920
0553212	3 × 25	rm/16	25,3	1801	1600
0553213	3 × 35	rm/16	29,2	1400	1900
0553214	3 × 50	rm/25	32,3	2003	2400
0553215	3 × 70	rm/35	35,6	2794	3060
0553216	3 × 95	rm/50	39,0	3790	4200
0553217	3 × 120	rm/70	42,0	4785	5207
0553218	3 × 150	rm/70	43,5	5100	5700
0553219	3 × 185	rm/95	47,4	6381	7150
0553220	3 × 240	rm/120	53,5	8240	9250
0553221	4 × 1,5	re/1,5	13,2	80	230
0553222	4 × 2,5	re/2,5	13,5	129	290
0553223	4 × 4	re/4	15,2	202	390
0553224	4 × 6	re/6	16,8	296	500

Part No.	Number of cores × core cross section [mm ²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	
0553161	5 × 6	re	16,0	288	560
0553162	5 × 10	re	18,4	480	790
0553163	5 × 16	re	21,5	768	1150
0553164	7 × 1,5	re	12,0	101	310
0553165	10 × 1,5	re	15,8	144	420
0553166	12 × 1,5	re	16,8	173	460
0553167	14 × 1,5	re	17,7	202	540
0553168	19 × 1,5	re	18,6	274	650
0553169	24 × 1,5	re	21,8	346	760
0553170	30 × 1,5	re	22,8	432	900
0553171	7 × 2,5	re	15,1	168	400
0553172	10 × 2,5	re	17,5	240	540
0553173	12 × 2,5	re	18,0	288	600
0553174	14 × 2,5	re	19,2	336	670
0553175	19 × 2,5	re	21,1	456	840
0553176	24 × 2,5	re	24,2	576	1050
0553178	7 × 4	re	17,2	269	530
0553179	12 × 4	re	21,2	461	800

0553225	4 × 10	re/10	18,5	504	740
0553226	4 × 16	re/16	21,0	797	1060
0553227	4 × 25	rm/16	25,8	1140	1570
0553228	4 × 35	rm/16	28,3	1528	2020
0553229	4 × 50	rm/25	30,8	2203	2550
0553230	4 × 70	rm/35	35,6	3082	3600
0553231	4 × 95	rm/50	40,2	4207	4750
0553232	7 × 1,5	re/2,5	14,5	132	320
0553233	10 × 1,5	re/2,5	17,2	177	420
0553234	12 × 1,5	re/2,5	18,4	204	460
0553235	16 × 1,5	re/4	20,0	275	686
0553236	21 × 1,5	re/6	22,6	370	766
0553237	24 × 1,5	re/6	23,2	412	860
0553238	30 × 1,5	re/6	24,3	500	930
0553239	7 × 2,5	re/2,5	15,1	200	400
0553240	10 × 2,5	re/4	18,9	287	550
0553241	12 × 2,5	re/4	19,2	335	610
0553242	16 × 2,5	re/6	20,9	450	805
0553243	21 × 2,5	re/6	25,2	572	1015
0553244	24 × 2,5	re/10	26,1	695	1100
0553245	30 × 2,5	re/10	28,0	842	1290
0553246	7 × 4	re/4	18,1	316	580
0553247	12 × 4	re/6	22,6	528	910