



N2XH, N2XCH

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 outer application but are not suitable for direct burial into earth or water.
Conductor:	Solid or stranded Cu core according to DIN VDE 0295 cl. 1 or 2, IEC 60228 cl. 1 or 2 Cores stranded in layers with optimal lay length For N2XCH version, concentric conductor of Cu tape or Cu wire
Core identification:	2-core cable: blue/brown 3-core cable: brown/black/grey 4-core cable: blue/brown/black/grey 7 core and above: black cores with white numbering
Insulation:	Halogen free, cross-linked polyethylene compound
Sheath:	Halogen free sheath of thermoplastic polymer compound
Colour:	Black
Minimum bending radius:	15 x cable diameter, multicore approx. 12 x cable diameter
Temperature range:	During installation from -5°C to +50°C; fixed from -40°C to +90°C
Nominal voltage:	Uo/U 0,6/1 kV
Test voltage:	a.c. 4000 V
Standards:	Flame-retardant to DIN VDE 0482 part 266-2/HD 405.3/BS 4066 PT3/EN 50266-2/IEC 60332-3 Low corrosiveness of combustion gases to DIN VDE 0482 part 267/BS 6425 PT2/EN 50267-2-2/IEC 60754-2 Halogen-free to DIN VDE 0482 part 267/BS 6425 PT1/EN 50267-2-1/IEC 60754-1 Smoke density to DIN VDE 0482 part 268/HD 606/BS 7622 PT1,PT2/EN 50268-1,-2/IEC 61034-1,-2 Power and control cable according to DIN VDE 0276 part 604

N2XH

No of cores	Core cross section mm ²	Conductor type	Approx outer diameter mm	Copper weight kg/km	Approx cable weight kg/km	BATT Part No
1	4	re	9,1	39	140	-
1	6	re	9,6	58	160	-
1	10	re	10,2	96	210	-
1	16	re	11,8	154	270	-
1	25	rm	12,5	240	380	-
1	35	rm	14,0	336	490	-
1	50	rm	15,8	480	620	-
1	70	rm	17,2	672	830	-
1	95	rm	19,1	912	1200	-
1	120	rm	21,2	1152	1500	-



No of cores	Core cross section mm ²	Conductor type	Approx outer diameter mm	Copper weight kg/km	Approx cable weird kg/km	BATT Part No
1	150	rm	22,9	1440	1700	-
1	185	rm	25,1	1776	2200	-
1	240	rm	28,5	2304	2750	-
1	300	rm	31,0	2880	3300	-
2	1,5	re	12,0	29	180	-
2	2,5	re	12,2	48	210	-
2	4	re	13,2	77	278	-
2	6	re	14,1	115	340	-
2	10	re	16,2	192	450	-
2	16	re	17,8	307	600	-
3	1,5	re	11,2	43	200	-
3	2,5	re	12,1	72	250	-
3	4	re	13,0	115	330	-
3	6	re	14,1	173	410	-
3	10	re	16,2	288	550	-
3	16	re	18,5	461	790	-
3	25	rm	21,8	720	1200	-
3	35	rm	24,9	1008	1600	-
3	50	rm	25,2	1440	1800	-
3	70	rm	29,2	2016	2500	-
3	95	rm	32,0	2736	3300	-
3	120	rm	34,9	3456	4050	-
3	150	rm	39,2	4320	4900	-
3	185	rm	44,1	5328	5100	-
3	240	rm	49,2	6912	7800	-
3	50/25	rm	28,5	1680	2200	-
3	70/35	rm	31,4	2352	2950	-
3	95/50	rm	34,9	3216	3900	-
3	120/70	rm	38,0	4128	4800	-
3	150/70	rm	43,3	4992	5750	-
3	185/95	rm	47,2	6240	7200	-
3	240/120	rm	53,4	8064	9150	-
4	1,5	re	12,2	58	230	-
4	2,5	re	13,3	96	290	-
4	4	re	14,0	154	380	-
4	6	re	15,1	230	490	-
4	10	re	17,2	384	670	-
4	16	re	19,5	614	930	-
4	25	rm	24,2	960	1450	-
4	35	rm	27,6	1344	1900	-
4	50	rm	29,5	1920	2300	-
4	70	rm	33,2	2668	3200	-
4	95	rm	37,0	3648	4200	-



No of cores	Core cross section mm ²	Conductor type	Approx outer diameter mm	Copper weight kg/km	Approx cable weird kg/km	BATT Part No
4	120	rm	40,2	4608	4300	-
4	150	rm	45,8	5760	6350	-
4	185	rm	49,5	7104	7800	-
4	240	rm	56,0	9216	10300	-
5	1,5	re	13,2	72	270	-
5	2,5	re	14,2	120	340	-
5	4	re	15,5	192	450	-
5	6	re	16,0	288	560	-
5	10	re	18,4	480	790	-
5	16	re	21,5	768	1150	-
7	1,5	re	12,0	101	310	-
10	1,5	re	15,8	144	420	-
12	1,5	re	16,8	173	460	-
14	1,5	re	17,7	202	540	-
19	1,5	re	18,6	274	650	-
24	1,5	re	21,8	346	760	-
30	1,5	re	22,8	432	900	-
7	2,5	re	15,1	168	400	-
10	2,5	re	17,5	240	540	-
12	2,5	re	18,0	288	600	-
14	2,5	re	19,2	336	670	-
19	2,5	re	21,1	456	840	-
24	2,5	re	24,2	576	1050	-
7	4	re	17,2	269	530	-

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No of cores	Core cross section mm ²	Conductor type	Approx outer diameter mm	Copper weight kg/km	Approx cable weird kg/km	BATT Part No
2	1,5	re/1,5	12,1	53	210	45744
2	2,5	re/2,5	13,2	81	255	45605
2	4	re/4	14,1	122	320	45606
2	6	re/6	15,0	183	400	45745
2	10	re/10	16,9	311	560	-
2	16	re/16	19,1	490	780	-
3	1,5	re/1,5	13,1	67	230	45746
3	2,5	re/2,5	14,2	103	285	45750
3	4	re/4	15,2	160	365	-
3	6	re/6	16,1	242	460	45752
3	10	re/10	18,2	406	660	45608
3	16	re/16	19,7	642	920	45748
3	25	rm/16	25,3	1801	1600	45751
3	35	rm/16	29,2	1400	1900	-



No of cores	Core cross section mm ²	Conductor type	Approx outer diameter mm	Copper weight kg/km	Approx cable weight kg/km	BATT Part No
3	50	rm/25	32,3	2003	2400	-
3	70	rm/35	35,6	2794	3060	45753
3	95	rm/60	39,0	3790	4200	-
3	120	rm/70	42,0	4785	5207	-
3	150	rm/70	43,5	5100	5700	45747
3	185	rm/95	47,4	6381	7150	45749
3	240	rm/120	53,5	8240	9250	45756
4	1,5	re/1,5	13,2	80	230	-
4	2,5	re/2,5	13,5	129	290	45607
4	4	re/4	15,2	202	390	45674
4	6	re/6	16,8	296	500	45755
4	10	re/10	18,5	504	740	45609
4	16	re/16	21,0	797	1060	45754
4	25	rm/16	25,8	1140	1570	-
4	35	rm/16	28,3	1528	2020	45610
4	50	rm/25	30,8	2203	2550	45611
4	70	rm/35	35,6	3082	3600	45612
4	95	rm/50	40,2	4207	4750	-
5	1,5	re/1,5	14	95	283	45757
7	1,5	re/2,5	14,5	132	320	-
10	1,5	re/2,5	17,2	177	420	-
12	1,5	re/2,5	18,4	204	460	-
16	1,5	re/4	20,0	275	686	-
21	1,5	re/6	22,6	370	766	-
24	1,5	re/6	23,2	412	860	-
30	1,5	re/6	24,3	500	930	-
7	2,5	re/2,5	15,1	200	400	45673
10	2,5	re/4	18,9	287	550	-
12	2,5	re/4	19,2	335	610	-
16	2,5	re/6	20,9	450	805	-
21	2,5	re/6	25,2	572	1015	-
24	2,5	re/10	26,1	695	1100	-
30	2,5	re/10	28,0	842	1290	-
7	4	re/4	18,1	316	580	-
12	4	re/6	22,6	528	910	-

Note:

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.
 rm = round conductor stranded
 re = round conductor plain
 Conforms to RoHS.