

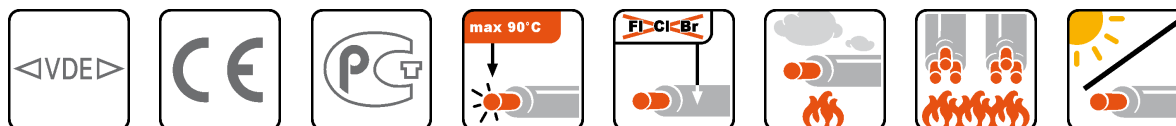
# FRNC power cable N2XCH acc. to VDE 0276-604



<b>conductor material:</b>	bare copper
<b>conductor construction:</b>	class 1, from 25 sqmm class 2
<b>insulation:</b>	XLPE 2XI1
<b>concentric conductor:</b>	Cu
<b>sheathing material:</b>	FRNC-compound HM4
<b>flame retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24
<b>smoke density:</b>	DIN EN 61034/IEC 61034
<b>halogen free:</b>	DIN EN 50267/IEC 60754
<b>maximum temperature at conductor:</b>	90 °C
<b>max. operating temperature, fixed:</b>	-30 - +70 °C
<b>temperature, moved/during installation:</b>	-5 - +70 °C
<b>bending radius, fixed installation:</b>	15 x DA
<b>core identification:</b>	colours acc. VDE 0293 (HD308)
<b>maximum permitted operating voltage in 3-phase systems:</b>	1,2 kV
<b>nominal voltage U:</b>	1 kV
<b>nominal voltage U<sub>0</sub>:</b>	0,6 kV
<b>test voltage:</b>	4 kV

**Application:** Low-smoke, zero-halogen flame retardant power cable. For fixed indoor and outdoor installation as well as in concrete, but not for direct burial in ground or application in water.

**Finnland:** XCMK-HF F4B



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

table: technical data N2XCH

Art.-Nr.	part-name		RI [Ω/km]	I <sub>bl</sub> [A]	DA [mm]	F <sub>z</sub> [N]	CU	G [kg/km]
012738	N2XCH 01X300/16 SW	RMv					3062	3398
011128	N2XCH 02X1,5/1,5 SW	RE	12,1	24	12	150	52	250
011129	N2XCH 02X2,5/2,5 SW	RE	7,41	32	12	250	80	280
011508	N2XCH 02X4/4 SW	RE	4,61	42	14	400	123	320
012528	N2XCH 02X6/6 SW	RE	3,08	53	15	600	182	410
012529	N2XCH 02X10/10 SW	RE	1,83	74	17	1000	312	550
012530	N2XCH 02X16/16 SW	RE	1,15	98	19	1600	489	780
011130	N2XCH 03X1,5/1,5 SW	RE	12,1	24	12	225	66	250
011131	N2XCH 03X2,5/2,5 SW	RE	7,41	32	13	375	104	320
011132	N2XCH 03X4/4 SW	RE	4,61	42	14	600	161	400
011133	N2XCH 03X6/6 SW	RE	3,08	53	16	900	240	500
011134	N2XCH 03X10/10 SW	RE	1,83	74	18	1500	408	750
011135	N2XCH 03X16/16 SW	RE	1,15	98	21	2400	643	1000
011136	N2XCH 03X25/16 SW	RM	0,727	133	24	3750	902	1600
011137	N2XCH 03X35/16 SW	SM	0,524	162	27	5250	1190	1900

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Art.-Nr.	part-name		RI [Ω/km]	I <sub>bl</sub> [A]	DA [mm]	Fz [N]	CU	G [kg/km]
011138	N2XCH 03X50/25 SW	SMv	0,387	197	30	7500	1723	2400
012063	N2XCH 03X70/35 SW	SMv	0,268	250	34	10500	2410	2615
012064	N2XCH 03X185/95 SW	SMv	0,0991	475	50	27750	6383	6680
011139	N2XCH 04X1,5/1,5 SW	RE	12,1	24	13	300	81	235
011140	N2XCH 04X2,5/2,5 SW	RE	7,41	32	14	500	128	302
011141	N2XCH 04X4/4 SW	RE	4,61	42	15	800	200	411
011142	N2XCH 04X6/6 SW	RE	3,08	53	17	1200	297	527
011029	N2XCH 04X10/10 SW	RE	1,83	74	19	2000	504	762
011143	N2XCH 04X16/16 SW	RE	1,15	98	22	3200	796	1139
011144	N2XCH 04X25/16 SW	RM	0,727	133	27	5000	1142	1634
011145	N2XCH 04X35/16 SW	SM	0,524	162	29	7000	1526	2080
011146	N2XCH 04X50/25 SW	SMv	0,387	197	33	10000	2203	2790
011147	N2XCH 04X70/35 SW	SMv	0,268	250	41	14000	3082	3550
011148	N2XCH 04X95/50 SW	SMv	0,193	308	46	19000	4208	4800
011149	N2XCH 04X120/70 SW	SMv	0,153	359	50	24000	5388	6556
011150	N2XCH 04X150/70 SW	SMv	0,124	412	55	30000	6540	7904
011151	N2XCH 04X185/95 SW	SMv	0,0991	475	62	37000	8159	9950
011152	N2XCH 04X240/120 SW	SMv	0,0754	564	68	48000	10546	12912
012215	N2XCH 05X1,5/1,5 SW	RE	12,1	24	14	375	95	283
011153	N2XCH 07X1,5/2,5 SW	RE	12,1	24	16	525	133	380
011154	N2XCH 07X2,5/2,5 SW	RE	7,41	32	18	875	200	480
011155	N2XCH 07X4/4 SW	RE	4,61	42	19	1400	315	650
011156	N2XCH 07X6/6 SW	RE	3,08	53	20	2100	470	850
011979	N2XCH 10X2,5/4 SW	RE	7,41	32	18	1250	286	550
011157	N2XCH 12X1,5/2,5 SW	RE	12,1	24	20	900	205	550
011158	N2XCH 12X2,5/4 SW	RE	7,41	32	21	1500	334	750
012458	N2XCH 14X1,5/2,5 SW	RE	12,1	24	17,6	1050	234	486
011980	N2XCH 21X2,5/10 SW	RE	7,41	32	23	2625	624	1050
011159	N2XCH 24X1,5/6 SW	RE	12,1	24	25	1800	413	950
011973	N2XCH 24X2,5/10 SW	RE	7,41	32	26	3000	696	1106
011160	N2XCH 30X1,5/6 SW	RE	12,1	24	27	2250	499	1100
011858	N2XCH 30X2,5/6 SW	RE	7,41	32	28	3750	840	1500
011161	N2XCH 30X2,5/10 SW	RE	7,41	32	30	3750	840	1500

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