

# Power cable (N)2XCY acc. to VDE 0276-603 (with ref. to)

conductor material:	bare copper
insulation:	XLPE DIX3
concentric conductor:	Cu
sheathing material:	PVC DMV 5
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24
maximum temperature at conductor:	90 °C
max. operating temperature, fixed:	-35 + 70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	15 x DA

N2XCY VDE FR  
colours acc. VDE 0293 (HD 308); more than  
5 cores: gn-ye + numbers

core identification:	
maximum permitted operating voltage in 3-phase systems:	1,2 kV
nominal voltage U:	1 kV
nominal voltage U <sub>0</sub> :	0,6 kV
test voltage:	4 kV

### Construction:

For fixed installation in buildings, in free air, in ground and in water.

**Application:** For fixed installation in buildings, in free air, in ground and in water.



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.

### core identification acc. to HD 308

number of cores	without protective conductor
2	blue, brown
3	brown, black, gray
4	blue, brown, black, gray
5	blue, brown, black, gray, black

### table: technical data N2XCY VDE FR

Art.-Nr.	part-name	RI [Ω/km]	Wi [mm]	I <sub>bl</sub> [A]	I <sub>be</sub> [A]	DA [mm]	Fz [N]	CU	G [kg/km]
080204	(N)2XCY FR 01X16/16 0,6/1 kV SW RE VDE 0276	1,15	0,7	100	113		800	335	680
080112	(N)2XCY FR 01X300/150 0,6/1 kV SW RM VDE 0276	0,0601	1,8	697	514	35	15000	4530	5000
080128	(N)2XCY FR 02X4/4 0,6/1 kV SW VDE 0276	4,61	0,7	42	52	16	400	123	350
080121	(N)2XCY FR 02X6/6 0,6/1 kV SW VDE 0276	3,08	0,7	53	65	15	600	182	392
080211	(N)2XCY FR 03X2,5 RE/2,5 0,6/1 kV SW VDE 0276	7,41	0,7	33	40	14,2	375	104	280
080212	(N)2XCY FR 03X6/6 0,6/1 kV SW VDE 0276	3,08	0,7	53	65	17,3	900	240	500
080205	(N)2XCY FR 03X16/16 0,6/1 kV SW VDE 0276	1,15	0,7	100	113	23,1	2400	643	1010
080126	(N)2XCY FR 04X2,5/2,5 0,6/1 kV SW VDE 0276	7,41	0,7	33	40	14	500	128	340

table: technical data N2XCY VDE FR

Art.-Nr.	part-name		RI [Ω/km]	Wi [mm]	l <sub>bl</sub> [A]	l <sub>be</sub> [A]	DA [mm]	Fz [N]	CU	G [kg/km]
080125	(N)2XCY FR 04X4/4 0,6/1 kV SW VDE 0276	RE	4,61	0,7	42	52	21	800	200	460
080113	(N)2XCY FR 04X6/6 0,6/1 kV SW VDE 0276	RE	3,08	0,7	53	65	22	1200	297	580
080114	(N)2XCY FR 04X10/10 0,6/1 kV SW VDE 0276	RE	1,83	0,7	74	86	23	2000	504	765
080131	(N)2XCY FR 05X2,5 RE/2,5 0,6/1 kV SW VDE 0276	RE	7,41	0,7	33	40	17	625	152	400
080115	(N)2XCY FR 05X6/6 0,6/1 kV SW VDE 0276	RE	3,08	0,7	53	65	21	1500	355	700
080116	(N)2XCY FR 07X2,5/2,5 0,6/1 kV SW VDE 0276	RE	7,41	0,7	33	40	21	875	200	450
080117	(N)2XCY FR 07X6/6 0,6/1 kV SW VDE 0276	RE	3,08	0,7	53	65	23	2100	470	790
080118	(N)2XCY FR 07X10/10 0,6/1 kV SW VDE 0276	RE	1,83	0,7	74	86	25	3500	739	1255
080122	(N)2XCY FR 12X2,5/4 0,6/1 kV SW VDE 0276	RE	7,41	0,7	33	40	25	1500	334	628
080119	(N)2XCY FR 14X2,5/6 0,6/1 kV SW VDE 0276	RE	7,41	0,7	33	40	26	1750	403	750
080120	(N)2XCY FR 19X2,5/6 0,6/1 kV SW VDE 0276	RE	7,41	0,7	33	40	29	2375	523	940
080124	(N)2XCY FR 24X2,5/10 0,6/1 kV SW VDE 0276	RE	7,41	0,7	33	40	33	3000	696	1106

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