



We Make Modern
Life Possible

HALOGEN-FREE POWER CABLES

N2XCH

XLPE/FRNC energy cable, screened



TECHNICAL DATA



Standard
DIN VDE 0276-604



Rated Voltage
0.6/1 kV (U₀/U)



Test Voltage
4 kV / 50 Hz



Bending radius (min.)
12 x ϕ of cable



Core identification
HD 308 S2



Fire properties
EN 60332-1-2: flame retardant and self-extinguishing



Certificate
VDE Germany



Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 90°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 250°C

DESIGN



Number of cores x nominal cross-section / cross-section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 1.5 RE / 1.5	12.1	28	240	500 D, 1000 D
3 x 1.5 RE / 1.5	12.1	25	250	500 D, 1000 D
4 x 1.5 RE / 1.5	12.1	25	260	500 D, 1000 D
5 x 1.5 RE / 1.5	12.1	16	295	500 D, 1000 D
7 x 1.5 RE / 2.5	12.1	16	360	500 D, 1000 D
10 x 1.5 RE / 2.5	12.1	13	494	500 D
12 x 1.5 RE / 2.5	12.1	13	530	500 D
19 x 1.5 RE / 4	12.1	11	720	500 D
24 x 1.5 RE / 6	12.1	10	850	500 D
30 x 1.5 RE / 6	12.1	9	1020	500 D
40 x 1.5 RE / 10	12.1	8	1370	500 D
2 x 2.5 RE / 2.5	7.41	38	270	1000 D
3 x 2.5 RE / 2.5	7.41	33	290	1000 D
4 x 2.5 RE / 2.5	7.41	33	330	1000 D
5 x 2.5 RE / 16	7.41	33	571	1000 D
5 x 2.5 RE / 2.5	7.41	22	365	1000 D
7 x 2.5 RE / 2.5	7.41	21	450	1000 D
12 x 2.5 RE / 4	7.41	17	700	500 D, 1000 D
19 x 2.5 RE / 6	7.41	14	985	500 D
24 x 2.5 RE / 10	7.41	13	1180	500 D
30 x 2.5 RE / 10	7.41	33	1400	500 D
40 x 2.5 RE / 10	7.41	11	1930	500 D
2 x 4 RE / 4	4.61	49	320	1000 D
3 x 4 RE / 4	4.61	43	380	1000 D
4 x 4 RE / 4	4.61	43	440	1000 D
7 x 4 RE / 4	4.61	27	595	500 D
2 x 6 RE / 6	3.08	62	410	500 D
3 x 6 RE / 6	3.08	54	470	500 D
4 x 6 RE / 6	3.08	54	550	500 D
3 x 10 RE / 10	1.83	75	640	500 D
4 x 10 RE / 10	1.83	75	760	500 D
2 x 16 RE / 16	1.15	113	785	500 D
3 x 16 RE / 16	1.15	100	829	500 D
4 x 16 RE / 16	1.15	100	1070	500 D
5 x 16 RM / 16	1.15	65	1210	500 D
3 x 25 RM / 16	0.727	136	1290	500 D
4 x 25 RM / 16	0.524	136	1700	500 D
4 x 35 SM / 16	0.524	162	2150	500 D
3 x 50 SM / 25	0.387	201	1990	500 D
4 x 50 SM / 25	0.387	197	2600	500 D
3 x 70 SM / 35	0.268	255	2830	500 D
4 x 70 SM / 35	0.268	250	3550	500 D
3 x 95 SM / 50	0.193	314	4350	500 D
4 x 95 SM / 50	0.193	314	4800	500 D



Number of cores x nominal cross-section / cross-section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Total weight appr. (kg/km)	Standard lengths/packing (m)
3 x 120 SM / 70	0.153	364	5270	500 D
4 x 120 SM / 70	0.153	364	6500	500 D
3 x 150 SM / 70	0.124	416	5450	300 D
4 x 150 SM / 70	0.124	416	7950	300 D
3 x 185 SM / 95	0.099	480	6800	300 D
4 x 185 SM / 95	0.099	480	9970	300 D
3 x 240 SM / 120	0.075	565	8900	300 D
4 x 240 SM / 120	0.075	565	12900	300 D

CONTACT PERSON

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