We Make Modern
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HALOGEN-FREE POWER CABLES

N2XCH

XLPE/FRNC energy cable, screened

These cables are intended for the stationary distribution of electrical energy in dry or damp premises and for fixed installations in air or concrete. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire if circuit integrity is not required. Not allowed for installations underground or in water.



TECHNICAL DATA

Standard
DIN VDE 0276-604

Certificate
VDE Germany

Test Voltage
4 kV / 50 Hz

Rated Voltage
0.6/1 kV (Uo/U)

Bending radius (min.)
12 x Ø of cable

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

Core identification
HD 308 S2

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 (mm²)	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 (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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