We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

N2XH – B2ca/Cca/Dca



XLPE/FRNC copper energy cable, halogen-free

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
core/core 4 kV / 50 Hz

Rated Voltage
0.6/1 kV

Bending radius (min.)
12 x Ø of cable

Fire properties
EN 60332-1-2: self-extinguishing
EN 60754-2: halogen-free, non-corrosive combustion gases
EN 61034-2: low smoke emission
EN 60332-3-22: reduced flame propagation
EN 13501-6: fire classification
CPR: B2ca s1 d1/d2 a1

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



1. Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
2. Core insulation (XLPE)
3. Inner covering (halogen-free tape and halogen free polymer compound)
4. Sheath (halogen-free polymer compound black)

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Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	CPR Classification
2 x 1.5 RE	12.1	28	10.1	139	B2ca, Dca
3 x 1.5 RE	12.1	24	10.5	156	B2ca, Dca
4 x 1.5 RE	12.1	24	11.2	180	B2ca, Dca
5 x 1.5 RE	12.1	18	11.9	202	B2ca, Dca
7 x 1.5 RE	12.1	16	12.8	246	Dca
10 x 1.5 RE	12.1	13	16.9	408	Dca
12 x 1.5 RE	12.1	12	17.4	442	Dca
14 x 1.5 RE	12.1	12	18.1	485	Dca
2 x 2.5 RE	7.41	37	10.8	172	B2ca, Dca
3 x 2.5 RE	7.41	32	11.3	197	B2ca, Dca
4 x 2.5 RE	7.41	32	12.1	230	B2ca, Dca
5 x 2.5 RE	7.41	24	13.3	273	B2ca, Dca
7 x 2.5 RE	7.41	21	14.1	333	Dca
10 x 2.5 RE	7.41	18	18.5	532	Dca
12 x 2.5 RE	7.41	16	19.0	584	Dca
14 x 2.5 RE	7.41	16	19.8	645	Dca
2 x 4 RE	4.61	48	11.6	210	B2ca, Dca
3 x 4 RE	4.61	42	12.3	251	B2ca, Dca
4 x 4 RE	4.61	42	13.4	304	B2ca, Dca
5 x 4 RE	4.61	32	14.4	356	B2ca, Dca
7 x 4 RE	4.61	27	15.4	442	Dca
12 x 4 RE	4.61	21	21.1	789	Dca
14 x 4 RE	4.61	21	22.0	878	Dca
2 x 6 RE	3.08	60	12.5	266	B2ca, Dca
3 x 6 RE	3.08	53	13.5	329	B2ca, Dca
4 x 6 RE	3.08	53	14.4	391	B2ca, Dca
5 x 6 RE	3.08	39	15.8	467	B2ca, Dca
7 x 6 RE	3.08	34	16.9	590	Dca
2 x 10 RE	1.83	85	15.8	438	B2ca, Dca
3 x 10 RE	1.83	74	16.6	528	B2ca, Dca
4 x 10 RE	1.83	74	17.8	637	B2ca, Dca
5 x 10 RE	1.83	49	19.6	773	B2ca, Dca
5 x 10 RM	1.83	49	20.1	798	B2ca, Dca
7 x 10 RE	1.83	49	21.0	971	Dca
1 x 16 RM	1.15	131	12.7	297	B2ca, Cca
2 x 16 RE	1.15	113	17.6	595	B2ca, Dca
3 x 16 RE	1.15	98	18.5	733	B2ca, Dca
3 x 16 RM	1.15	98	19.0	758	B2ca
4 x 16 RE	1.15	98	20.3	911	B2ca, Dca
4 x 16 RM	1.15	98	20.9	941	B2ca, Dca
5 x 16 RE	1.15	74	22.0	1092	B2ca, Dca
5 x 16 RM	1.15	74	22.6	1119	Dca
1 x 25 RM	0.727	177	14.3	409	B2ca, Cca
3 x 25 RM	0.727	133	23.2	1153	B2ca, Dca

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3 x 25 + 16 RM/RM	0.727 / 1.15	133	24.3	1317	B2ca, Dca
4 x 25 RM	0.727	133	25.2	1415	B2ca, Dca
5 x 25 RM	0.727	100	27.6	1718	B2ca, Dca
1 x 35 RM	0.524	217	15.5	520	B2ca, Cca
3 x 35 RM	0.524	162	25.5	1488	B2ca, Dca
3 x 35 + 16 SM/RM	0.524 / 1.15	162	25.4	1552	B2ca, Cca
4 x 35 RM	0.524	162	27.9	1853	B2ca, Dca
4 x 35 SM	0.524	162	25.4	1665	B2ca, Cca
5 x 35 RM	0.524	122	30.5	2237	B2ca, Dca
1 x 50 RM	0.387	265	16.9	655	B2ca, Cca
3 x 50 + 25 SM/RM	0.387 / 0.727	197	28.7	2046	B2ca, Cca
4 x 50 SM	0.387	197	28.9	2186	B2ca, Cca
4 x 50 RM	0.387	197	31.5	2429	B2ca, Dca
5 x 50 RM	0.387	148	34.8	2984	B2ca, Dca
1 x 70 RM	0.268	336	18.9	875	B2ca, Cca
3 x 70 SM	0.268	250	29.9	2361	B2ca, Cca
3 x 70 + 35 SM/RM	0.268 / 0.524	250	32.6	2845	B2ca, Cca
4 x 70 SM	0.268	250	32.6	3049	B2ca, Cca
5 x 70 RM	0.268	188	39.9	4115	Dca
1 x 95 RM	0.193	415	20.6	1136	B2ca, Cca
3 x 95 SM	0.193	308	32.7	3131	B2ca, Cca
3 x 95 + 50 SM/RM	0.193 / 0.387	308	37.0	3800	B2ca, Cca
4 x 95 SM	0.193	308	37.0	4080	B2ca, Cca
1 x 120 RM	0.153	485	22.3	1397	B2ca, Cca
3 x 120 SM	0.153	359	35.5	3848	B2ca, Cca
3 x 120 + 70 SM/RM	0.153 / 0.268	359	40.5	4748	B2ca, Cca
4 x 120 SM	0.153	359	40.9	5111	B2ca, Cca
1 x 150 RM	0.124	557	24.2	1684	B2ca, Cca
3 x 150 SM	0.124	412	39.7	4753	B2ca, Cca
3 x 150 + 70 SM/RM	0.124 / 0.268	412	45.5	5774	B2ca, Cca
4 x 150 SM	0.124	412	45.7	6253	B2ca, Cca
1 x 185 RM	0.099	646	26.5	2068	B2ca, Cca
3 x 185 SM	0.099	475	43.5	5863	B2ca, Cca
3 x 185 + 95 SM/SM	0.099 / 0.193	475	46.0	6881	B2ca, Cca
4 x 185 SM	0.099	475	51.1	7790	B2ca, Cca
1 x 240 RM	0.075	774	29.1	2629	B2ca, Cca
3 x 240 SM	0.075	564	48.5	7583	B2ca, Cca
3 x 240 + 120 SM/SM	0.075 / 0.153	564	51.8	8851	B2ca, Cca
4 x 240 SM	0.075	564	56.5	10018	B2ca, Cca
1 x 300 RM	0.060	901	31.6	3219	B2ca, Cca
1 x 400 RM	0.047	1060	35.3	4058	B2ca, Cca
1 x 500 RM	0.037	1252	39.1	5132	B2ca, Cca

Technical changes reserved. All figures are therefore without guarantee.



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