We Make Modern
Life Possible.

SAFETY CABLES

NHXCH FE180/E90

SI/FRNC energy cable, with insulation integrity FE180 and circuit integrity E90, screened

Suitable to protect people and technical building equipment in the event of fire if circuit integrity is required (circuit integrity is only maintained if these cables are installed with specified supporting elements). The cable is not UV-resistant.



TECHNICAL DATA

Standard
adapted to DIN VDE 0266

Certificate
VDE Germany

Test Voltage
4 kV

Rated Voltage
0.6/1 kV (Uo/U)

Bending radius (min.)
12 x Ø des Kabels

Fire properties
DIN 4102-12: circuit integrity E90

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



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Number of cores x nominal cross-section / cross-section of screen (mm²)	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 1.5 RE / 1.5	12.1	28	16,1	310
3 x 1.5 RE / 1.5	12.1	25	16,6	345
4 x 1.5 RE / 1.5	12.1	25	17,5	385
4 x 1.5 RE / 16	12.1	25	18,5	400
5 x 1.5 RE / 2.5	12.1	25	18,6	430
7 x 1.5 RE / 2.5	12.1	25	19,6	495
10 x 1.5 RE / 2.5	12.1	13	23,2	635
12 x 1.5 RE / 2.5	12.1	12,5	23,8	690
14 x 1.5 RE / 2.5	12.1	11	24,7	760
19 x 1.5 RE / 4	12,1	10,5	27,6	955
19 x 1.5 RE / 16	12.1	105	28,0	975
24 x 1.5 RE / 6	12.1	9,5	31,3	1185
30 x 1.5 RE / 6	12.1	9	33,0	1365
40 x 1.5 RE / 10	12.1	8	37,3	1725
48 x 1.5 RE / 10	12.1	7,5	40,4	2205
2 x 2.5 RE / 2.5	7,41	37	16,9	365
3 x 2.5 RE / 2.5	7,41	33	17,5	395
4 x 2.5 RE / 2.5	7,41	33	18,5	445
7 x 2.5 RE / 2.5	7,41	20,5	20,8	455
10 x 2.5 RE / 4	7,41	17,5	25,4	790
12 x 2.5 RE / 4	7,41	16,5	26,0	880
14 x 2.5 RE / 4	7,41	16	27,2	960
14 x 2.5 RE / 16	7,41	16	27,6	985
19 x 2.5 RE / 6	7,41	14	29,6	1210
24 x 2.5 RE / 10	7,41	12,5	34,3	1535
30 x 2.5 RE / 10	7,41	12	36,5	1785
3 x 4 RE / 4	4,61	43	19,1	475
4 x 4 RE / 4	4,61	43	20,2	540
5 x 4 RE / 4	4,61	28	21,5	615
3 x 6 RE / 6	3,08	54	20,6	670
4 x 6 RE / 6	3,08	54	21,4	675
3 x 10 RE / 10	1,83	75	22,9	900
4 x 10 RE / 10	1,83	75	24,4	1045
3 x 16 RM / 16	1,15	100	24,3	1125
4 x 16 RE / 16	1,15	100	25,9	1290
4 x 16 RM / 16	1,15	100	26,8	1340
4 x 25 RM / 16	0,727	136	31,0	1720
4 x 50 RM / 25	0,387	201	38,6	3275
4 x 70 RM / 35	0,255	255	44,0	4355
4 x 95 RM / 50	0,193	314	49,9	5875
4 x 120 RM / 70	0,153	364	53,7	7260
3 x 150 RM / 70	0,124	416	53,0	7105
4 x 150 RM / 70	0,124	416	58,0	8660
4 x 240 RM / 120	0,075	380	72,7	13855

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5 x 240 RM / 120	0,075	466	80,3	16670

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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