



We Make Modern
Life Possible

SAFETY CABLES WITH CIRCUIT INTEGRITY

NHXCH FE180/E90

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



TECHNICAL DATA



Standard
adapted to DIN VDE 0266



Certificate
VDE Germany



Test Voltage
4 kV



Rated Voltage
0.6/1 kV (U₀/U)



Bending radius (min.)
12 x Ø des Kabels



Fire properties
DIN 4102-12: circuit integrity E90



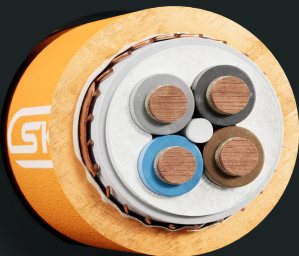
Core identification
HD 308 S2



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



Number of cores x nominal cross-section / cross-section of screen (mm ²)	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



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

CONTACT PERSON

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