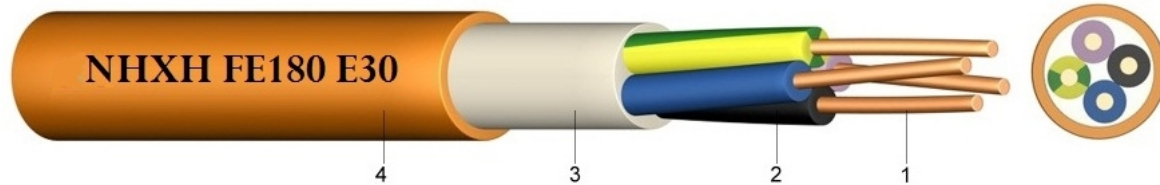




HALLEY CABLES

NHXH FE180 E30

Halogen free, fire resistant power cable, with insulation integrity FE180 and circuit integrity E30, 0.6/1 kV.



Construction:

- | | |
|-------------------|---|
| 1. Conductor | : bare copper, solid or stranded. |
| 2. Insulation | : cross-linked halogen free ceramic forming 2 layer insulation, core colours according to HD 308. |
| 3. Inner covering | : halogen-free compound. |
| 4. Outer sheath | : halogen-free polymer compound, orange. |

Properties:

- Halogen free.
- Fire resistant.
- Low smoke generation.
- No emission of corrosive gases.

Technical data and tests:

- | | |
|-----------------------------------|---|
| Nominal voltage U ₀ /U | : 600/1000 V. |
| Service temperature | : -30° C... +90° C. |
| Bending radius | : single core : 15 x diameter.
multi core : 12 x diameter. |
| Laying temperature | : -5° C... +90° C. |

Standards:

- | | |
|--|---------------------------------|
| Cable standard | : DIN VDE 0266. |
| Halogen free, no emission of corrosive gases | : EN 50267-2-2, IEC 60754-2. |
| Low smoke generation | : EN 61304. |
| Fire retardant | : EN 60332-1-2, IEC 60332-3-24. |
| Insulation integrity FE 180 | : DIN VDE 0472-814. |
| Circuit integrity E 30 | : DIN 4102 Part 12. |

Applications:

These flexible halogen-free cables main properties are being fire proof and halogen free which on the basis of a fixed operating mode, can continue with the supply of power under fire. These cables are used as energy, utility and lighting cables in dry, moist and wet rooms, for permanent installation above, on, in and beneath plaster and also for outdoor applications where lots of human life and material assets need to be protected in industrial constructions, schools, hospitals, shopping and cultural centers, energy plants, airports, metros. Direct burial in ground or direct laying in water is not permissible. However, laying in a pipe is allowed if water accumulations are excluded. During installation the cables have to be protected from any external influences or mechanical damages. In case of fire, these cables inhibit the propagation of the flames whereby the development of smoke is extremely low. They may not be installed directly into the ground and into the water. This cable conforms with Safety Class II standards.





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www.halleycables.com

DIMENSIONS

Number of cores and nominal cross section mm ²	Overall diameter approx. mm	Weight approx. kg / km	Calorific potential kWh / m
1 x 1,5 RE	4,6	33	0,10
1 x 2,5 RE	5,0	44	0,11
1 x 4 RE	5,6	62	0,13
1 x 6 RE	6,2	84	0,16
1 x 10 RE	7,4	132	0,22
1 x 16 RM	9,4	215	0,34
1 x 25 RM	10,6	309	0,40
1 x 35 RM	11,8	407	0,46
1 x 50 RM	13,1	535	0,54
1 x 70 RM	15,0	744	0,66
1 x 95 RM	17,0	1.009	0,80
1 x 120 RM	18,6	1.248	0,91
1 x 150 RM	20,6	1.538	1,14
1 x 185 RM	22,8	1.917	1,35
1 x 240 RM	25,5	2.479	1,62
2 x 1,5 RE	8,7	116	0,32
2 x 2,5 RE	9,6	151	0,38
2 x 4 RE	10,7	202	0,46
2 x 6 RE	12,1	270	0,58
2 x 10 RE	14,7	415	0,82
2 x 16 RM	18,1	642	1,17
2 x 25 RM	21,1	928	1,49
3 x 1,5 RE	9,2	136	0,37
3 x 2,5 RE	10,2	180	0,44
3 x 4 RE	11,3	245	0,52
3 x 6 RE	12,8	330	0,65
3 x 10 RE	15,7	519	0,95
3 x 16 RM	19,1	800	1,27
3 x 25 RM	22,3	1.169	1,64
3 x 35 RM	24,9	1.523	1,93
3 x 50 RM	27,7	1.982	2,31
3 x 70 RM	32,0	2.747	2,97
3 x 95 RM	36,5	3.714	3,68
3 x 120 RM	40,2	4.597	4,39
3 x 150 RM	44,5	5.648	5,42
3 x 185 RM	49,4	7.039	6,61
3 x 240 RM	55,2	9.037	8,07
3 x 25+1x16 RM	23,4	1.343	1,75
3 x 35+1x16 RM	25,7	1.685	2,00
3 x 50+1x25 RM	29,0	2.249	2,46
3 x 70+1x35 RM	33,4	3.103	3,13
3 x 95+1x50 RM	38,3	4.209	3,96
3 x 120+1x70 RM	42,6	5.317	4,80

RE =Round conductor, Single wire.
RM=Round conductor, Multi wire.

Any other sizes available on request.



NHXH FE180 E30



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DIMENSIONS

Number of cores and nominal cross section mm ²	Overall diameter approx. mm	Weight approx. kg / km	Calorific potential kWh / m
3 x 150+1x70 RM	46,0	6.288	5,61
3 x 185+1x95 RM	51,6	7.973	7,00
3 x 240+1x120 RM	57,6	10.199	8,52
4 x 1,5 RE	10,0	165	0,43
4 x 2,5 RE	11,0	218	0,50
4 x 4 RE	12,4	302	0,62
4 x 6 RE	14,5	430	0,82
4 x 10 RE	17,4	659	1,14
4 x 16 RM	21,2	1.018	1,51
4 x 25 RM	24,3	1.462	1,86
4 x 35 RM	27,1	1.908	2,17
4 x 50 RM	30,5	2.516	2,68
4 x 70 RM	35,3	3.499	3,46
4 x 95 RM	40,2	4.73	4,24
4 x 120 RM	44,5	5.884	5,16
4 x 150 RM	49,0	7.201	6,26
4 x 185 RM	54,7	9.016	7,77
4 x 240 RM	61,1	11.584	9,44
5 x 1,5 RE	10,9	198	0,50
5 x 2,5 RE	12,2	269	0,61
5 x 4 RE	13,7	372	0,74
5 x 6 RE	16,0	526	0,97
5 x 10 RE	19,2	810	1,35
5 x 16 RM	23,3	1.249	1,76
5 x 25 RM	26,6	1.785	2,12
5 x 35 RM	29,8	2.343	2,49
5 x 50 RM	33,7	3.102	3,15
5 x 70 RM	39,5	4.371	4,16
5 x 95 RM	44,8	5.881	5,08
5 x 120 RM	49,3	7.28	6,04
5 x 150 RM	54,6	8.951	7,45
5 x 185 RM	60,9	11.201	9,23
5 x 240 RM	68,1	14.411	11,24
7 x 1,5 RE	11,9	240	0,58
7 x 2,5 RE	13,3	329	0,71
10 x 1,5 RE	15,7	369	0,90
10 x 2,5 RE	17,5	498	1,08
12 x 1,5 RE	16,1	410	0,98
12 x 2,5 RE	18,0	558	1,17
19 x 1,5 RE	19,1	595	1,40
19 x 2,5 RE	22,1	864	1,80
24 x 1,5 RE	22,9	791	1,87
24 x 2,5 RE	25,8	1.097	2,32
30 x 1,5 RE	24,2	933	2,16
30 x 2,5 RE	27,3	1.301	2,66

RE =Round conductor, Single wire.
RM=Round conductor, Multi wire.

Any other sizes available on request.



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