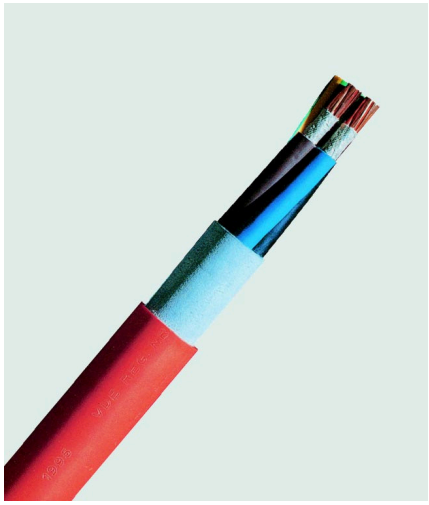
NHXH E 30

Halogen-Free Cable with Circuit Integrity of 30 Minutes

according to DIN VDE 0266-2 and DIN 4102-12



Construction

Solid or stranded bare copper conductor, insulation of a halogen-free cross-linked polymeric compound, common core covering, outer sheath of flame retardant and halogen-free polymer compound, orange.

Application

Safety cables are used in all locations where a high degree of protection against fire and fire-damage has to be provided for human life and equipment and are, therefore, subject to high security requirements. These cables may be used indoors and outdoors. They may not be installed directly into the ground and into the water. Safety cables are considered as protectively insulated.
Circuit integrity of 30 minutes (system) and insulation integrity of 180 minutes.

Temperature range

During laying	- 5°C till + 70°C
After laying	- 40°C till + 70°C
Admissible conductor temperature	+ 90°C

Number of cores and nominal cross section	Price	Copper figure	Conductor construction (approx. value)	Overall diameter	Weight
mm²	EUR / km	kg / km	mm	ca. mm	ca. kg / km
NHXH E 30 0,6/1 KV	J O				
1 x 16 RE	4.698,39	160	1 x 4,51	10,0	230
1 x 25 RM	6.464,33	250	7 x 2,13	11,0	340
1 x 35 RM	7.898,94	350	7 x 2,52	12,0	440
1 x 50 RM	9.655,36	500	19 x 1,83	14,0	620
1 x 70 RM	12.493,23	700	19 x 2,17	16,0	850
1 x 95 RM	15.263,37	950	19 x 2,52	18,0	1100
1 x 120 RM	17.903,36	1200	37 x 2,03	19,0	1350
1 x 150 RM	20.622,32	1500	37 x 2,27	22,0	1650
1 x 185 RM	24.731,75	1850	37 x 2,52	24,0	2200
1 x 240 RM	31.564,95	2400	61 x 2,24	27,0	2800
1 x 300 RM	35.679,49	3000	61 x 2,50	30,0	3400
2 x 1,5 RE	**4.392,10**	30	1 x 1,38	12,0	180
2 x 2,5 RE	**4.805,50**	50	1 x 1,78	13,0	210
2 x 4 RE	6.025,43	80	1 x 2,25	14,0	260
2 x 6 RE	7.650,66	120	1 x 2,76	15,0	320
2 x 10 RE	10.611,98	200	1 x 3,56	16,0	440
2 x 16 RE	12.589,36	320	1 x 4,51	19,0	620
3 x 1,5 RE	**4.843,20**	45	1 x 1,38	13,0	200
3 x 2,5 RE	**5.832,53**	75	1 x 1,78	14,0	250
3 x 4 RE	**7.331,29**	120	1 x 1,25	15,0	320
3 x 6 RE	**9.194,81**	180	1 x 2,76	16,0	400
3 x 10 RE	**11.695,01**	300	1 x 3,56	18,0	550
3 x 16 RM	**14.194,57**	480	1 x 4,51	20,0	800
3 x 25 RM	21.538,19	750	7 x 2,13	23,0	1200
3 x 35 RM	30.488,27	1050	7 x 2,52	28,0	1813
3 x 50 RM	33.336,67	1500	19 x 1,83	30,0	2369
3 x 70 RM	41.349,64	2100	19 x 2,17	33,0	3152
3 x 95 RM	53.996,28	2850	19 x 2,52	39,0	4169

Number of cores and nominal cross section	Price	Copper figure	Conductor construction (approx. value)	Overall diameter	Weight
mm²	EUR / km	kg / km	mm	ca. mm	ca. kg / km
NHXH E 30 0,6/1 KV	J O				
3 x 25/ 16 RM	27.664,06	910	7 x 2,13	26,0	1524
3 x 35/ 16 RM	31.203,92	1210	7 x 2,52	27,0	1700
3 x 50/ 25 RM	35.495,72	1750	19 x 1,83	31,0	2250
3 x 70/ 35 RM	45.069,57	2450	19 x 2,17	36,0	3200
3 x 95/ 50 RM	59.619,83	3350	19 x 2,52	41,0	4200
3 x 120/ 70 RM	75.681,86	4300	37 x 2,03	46,0	5300
3 x 150/ 70 RM	92.011,39	5200	37 x 2,27	49,0	6300
3 x 185/ 95 RM	111.999,67	6500	37 x 2,52	56,0	7900
3 x 240/120 RM	141.866,48	8400	61 x 2,24	64,0	10200
4 x 1,5 RE	**5.347,42**	60	1 x 1,38	14,0	240
4 x 2,5 RE	**6.334,26**	100	1 x 1,78	15,0	300
4 x 4 RE	**9.672,11**	160	1 x 2,25	17,0	400
4 x 6 RE	**11.644,85**	240	1 x 2,76	18,0	500
4 x 10 RE	**15.590,14**	400	1 x 3,56	20,0	680
4 x 16 RM	**24.690,68**	640	1 x 4,51	23,0	1000
4 x 25 RM	**33.005,58**	1000	7 x 2,13	26,0	1500
4 x 35 RM	**39.554,71**	1400	7 x 2,52	28,0	2297
4 x 50 RM	**52.392,25**	2000	19 x 1,83	33,0	2972
4 x 70 RM	66.456,70	2800	19 x 2,17	37,0	3914
4 x 95 RM	80.846,38	3800	19 x 2,52	43,0	5397
4 x 120 RM	107.236,99	4800	37 x 2,03	47,0	6906
4 x 150 RM	128.789,06	6000	37 x 2,27	53,0	7725
5 x 1,5 RE	**8.220,02**	75	1 x 1,38	15,0	280
5 x 2,5 RE	**9.507,48**	125	1 x 1,78	17,0	350
5 x 4 RE	**13.310,90**	200	1 x 2,25	18,0	450
5 x 6 RE	**14.933,09**	300	1 x 2,76	20,0	560
5 x 10 RE	**19.580,39**	500	1 x 3,56	21,0	840
5 x 16 RM	**29.994,77**	800	1 x 4,51	23,0	1200
5 x 25 RM	**39.491,17**	1250	7 x 2,13	29,0	1800
7 x 1,5 RE	**9.507,48**	105	1 x 1,38	16,0	410
10 x 1,5 RE	12.172,81	150	1 x 1,38	19,0	620
12 x 1,5 RE	**13.532,22**	180	1 x 1,38	20,0	680
14 x 1,5 RE	16.119,53	210	1 x 1,38	21,0	750
19 x 1,5 RE	22.565,38	285	1 x 1,38	23,0	900
24 x 1,5 RE	27.064,93	360	1 x 1,38	26,0	1100
30 x 1,5 RE	31.854,69	450	1 x 1,38	28,0	1300
7 x 2,5 RE	**11.915,60**	175	1 x 1,78	20,0	540
10 x 2,5 RE	14.629,17	250	1 x 1,78	25,0	710
12 x 2,5 RE	16.085,62	300	1 x 1,78	26,0	800
14 x 2,5 RE	17.786,63	350	1 x 1,78	27,0	900
19 x 2,5 RE	25.308,02	475	1 x 1,78	28,0	1150
24 x 2,5 RE	30.508,65	600	1 x 1,78	34,0	1400
30 x 2,5 RE	36.083,89	750	1 x 1,78	36,0	1600

Remark: Insulation integrity under the impact of flames > 180 min. according to DIN VDE 0472-814 / 8.83
function integrity of electrical cable installations > 30 min. according to DIN 4102-12.
in compliance with VDE 0107 and 0108.