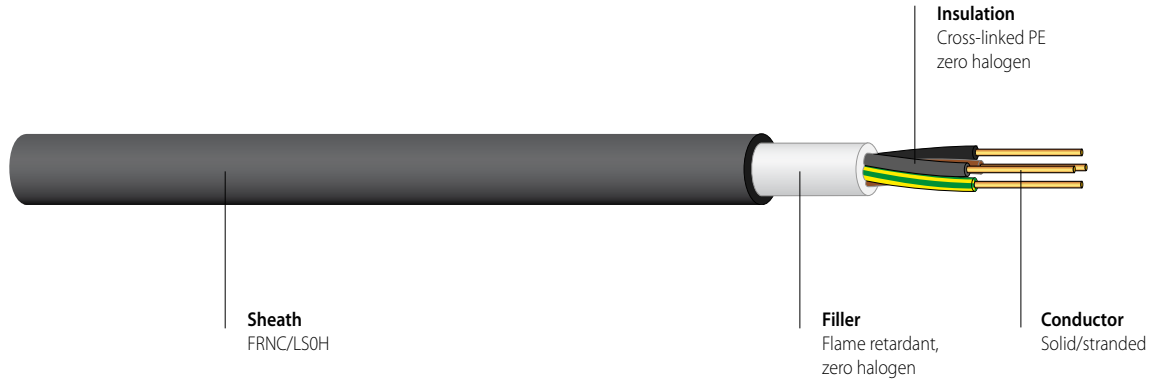


## PREVENTIVE FIRE PROTECTION

### N2XH

#### Safety cable 0.6/1kV

Halogen-free, with improved fire characteristics  
CENELEC HD 604 S1, VDE 0276-604



## PRODUCT INFORMATION



### APPLICATION

For permanent installation in dry, damp or wet areas, on or behind plasterwork or in walls or concrete. Also suitable for outdoor applications. The cable should only be laid directly in earth or water if a protective conduit is used. Permitted operating temperature at conductor of +90°C.

### CONSTRUCTION

Conductor	Bare copper, solid or stranded, IEC 60228, EN 60228, (VDE 0295)
Insulation	Cross-linked polyethylene, CENELEC HD 604 S1 and VDE 0276-604
Filler	Halogen-free compound or plastic tape
Outer sheath	Polyolefin compound, CENELEC HD 604 S1 and VDE 0276-604 "HM4"
Core colours	CENELEC HD 308 S2 and VDE 0293
Sheath colour	Black
Imprint	On request

### ELECTRICAL PROPERTIES

Nominal voltage	0.6/1kV
Test voltage	4000V, 50Hz

### GENERAL PROPERTIES

Minimum bending radius	during and permanent installation	15* x D (single core cable) 12* x D (multicore cable) (D = outer diameter)
	permanent installation	*50% reduction if installation at 30°C and with a template
Operating temperature	permanent installation	-45°C to +90°C
	during installation	-5°C to +50°C
Zero halogen		IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
non corrosive gases		IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Flame propagation		IEC 60332-3-22/-24 Cat. A/C, EN 60332-3-22/-24 Cat. A/C, VDE 0482-332-3-22/-24 Cat. A/C
Flame spread		IEC 60332-3-22/-24 Cat. A/C, EN 60332-3-22/-24 Cat. A/C, VDE 0482-332-3-22/-24 Cat. A/C
Smoke density		IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2

## PRODUCT INFORMATION

Article No.	No. of cores x cross section			Core colours	Cu content kg/km	Total weight app. kg/km	Outer diameter app. mm	Fire load app. kWh/m
	n x mm <sup>2</sup>							
170 000	1	x	4 RE	black	38	75	6,4	0,20
170 022	1	x	4 RE	green/yellow	38	75	6,4	0,20
170 001	1	x	6 RE	black	58	97	6,9	0,22
170 002	1	x	6 RE	green/yellow	58	97	6,9	0,22
170 015	1	x	10 RE	black	96	140	7,7	0,26
170 023	1	x	10 RE	green/yellow	96	140	7,7	0,26
170 003	1	x	16 RM	black	154	202	9,1	0,36
170 014	1	x	16 RM	green/yellow	154	202	9,1	0,36
170 004	1	x	25 RM	black	240	302	11,0	0,48
170 005	1	x	25 RM	green/yellow	240	302	11,0	0,48
170 010	1	x	35 RM	black	336	397	12,0	0,55
170 026	1	x	35 RM	green/yellow	336	397	12,0	0,55
170 006	1	x	50 RM	black	480	523	13,0	0,65
170 007	1	x	50 RM	green/yellow	480	523	13,0	0,65
170 018	1	x	70 RM	black	672	745	15,0	0,84
170 030	1	x	70 RM	green/yellow	672	745	15,0	0,84
170 008	1	x	95 RM	black	912	986	17,0	0,97
170 009	1	x	95 RM	green/yellow	912	986	17,0	0,97
170 019	1	x	120 RM	black	1152	1214	18,0	1,10
170 025	1	x	120 RM	green/yellow	1152	1214	18,0	1,10
170 020	1	x	150 RM	black	1440	1536	21,0	1,43
191 566	1	x	150 RM	green/yellow	1440	1536	21,0	1,43
170 011	1	x	185 RM	black	1776	1888	23,0	1,72
170 031	1	x	185 RM	green/yellow	1776	1888	23,0	1,72
170 012	1	x	240 RM	black	2304	2472	26,0	2,02
170 016	1	x	240 RM	green/yellow	2304	2472	26,0	2,02
170 013	1	x	300 RM	black	2880	2945	28,0	2,34
170 029	1	x	300 RM	green/yellow	2880	2945	28,0	2,34

RE = circular, solid conductor

RM = circular, stranded conductor

Additional dimensions available on request.

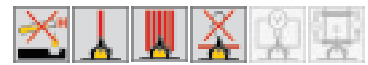
## PREVENTIVE FIRE PROTECTION

### N2XH

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## PRODUCT INFORMATION



Article No.	No. of cores x cross section				Cu content kg/km	Total weight app. kg/km	Outer diameter app. mm	Fire load app. kWh/m
	n x mm <sup>2</sup>							
190 524	2	x	1,5	RE	29	120	8,0	0,38
188 201	3	x	1,5	RE	43	135	9,0	0,44
188 204	3	x	2,5	RE	72	181	10,0	0,51
188 349	3	x	4	RE	115	242	11,0	0,60
188 210	3	x	6	RE	173	319	12,5	0,70
190 505	3	x	10	RE	288	464	14,0	0,83
188 216	3	x	16	RM	461	697	17,0	1,22
188 202	4	x	1,5	RE	58	163	10,0	0,52
188 205	4	x	2,5	RE	96	214	11,0	0,60
188 208	4	x	4	RE	154	294	12,0	0,72
188 211	4	x	6	RE	230	390	14,0	0,83
188 214	4	x	10	RE	384	586	16,0	1,03
188 217	4	x	16	RM	614	874	19,0	1,50
188 219	4	x	25	RM	960	1332	23,0	2,14
188 028	4	x	35	RM	1344	1777	26,0	2,57
188 222	4	x	50	RM	1920	2343	29,0	3,15
188 030	4	x	70	RM	2688	3384	35,0	4,17
188 224	4	x	95	RM	3648	4490	39,0	5,16

RE = circular, solid conductor

RM = circular, stranded conductor

Additional dimensions available on request.

## PRODUCT INFORMATION

Article No.	No. of cores x cross section				Cu content kg/km	Total weight app. kg/km	Outer diameter app. mm	Fire load app. kWh/m
	n x mm <sup>2</sup>							
188 203	5	x	1,5	RE	72	193	11,0	0,62
188 206	5	x	2,5	RE	120	256	12,0	0,71
188 357	5	x	4	RE	192	352	13,0	0,85
188 358	5	x	6	RE	288	475	15,0	0,99
188 215	5	x	10	RE	480	708	17,0	1,22
188 218	5	x	16	RM	768	1081	21,0	1,87
188 220	5	x	25	RM	1200	1631	25,5	3,32
170 095	7	x	1,5	RE	101	230	12,0	0,73
170 096	7	x	2,5	RE	168	315	13,0	0,85
170 104	10	x	1,5	RE	144	326	15,0	1,03
170 105	10	x	2,5	RE	240	447	16,0	1,20
170 099	12	x	1,5	RE	173	365	15,0	1,14
170 106	12	x	2,5	RE	288	510	17,0	1,33
170 107	14	x	1,5	RE	202	420	16,0	1,27
170 100	19	x	1,5	RE	274	511	18,0	1,58
170 101	24	x	1,5	RE	346	664	21,0	2,06
170 108	30	x	1,5	RE	432	793	22,0	2,41

RE = circular, solid conductor  
RM = circular, stranded conductor

Additional dimensions available on request.