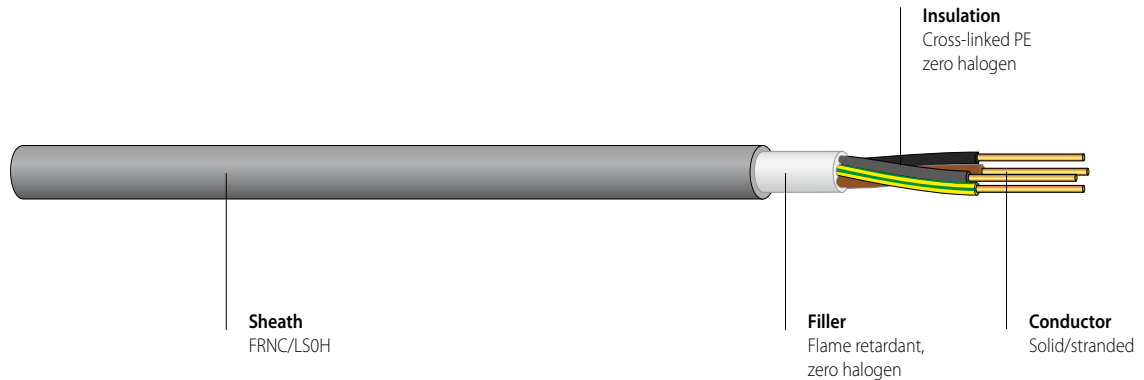


## PREVENTIVE FIRE PROTECTION

### 300/500V NHXMH

#### Power cable

Halogen-free, with improved fire characteristics  
VDE 250-214



## PRODUCT INFORMATION



### APPLICATION

For permanent installation in dry, damp or wet areas, on or behind plasterwork or in walls or concrete, except for direct embedding in cast, rammed or vibrated concrete.  
Also suitable for outdoor applications.  
Permitted operating temperature at conductor of +70°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 "2X11",
Filler	Halogen-free compound
Outer sheath	Polyolefin compound, VDE 0250-214 "HM2"
Core colours	CENELEC HD 308 S2 and VDE 0293
Sheath colour	Grey
Imprint	On request

### TECHNICAL PROPERTIES

Nominal voltage	300/500V
Test voltage	2000V, 50Hz

### GENERAL PROPERTIES

Minimum bending radius	permanent installation	4 x D (D = outer diameter)
	during installation	6 x D
Operating temperature	permanent installation	-40°C to +70°C
	during installation	+5°C to +50°C
 Zero halogen	non corrosive gases	IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
 Flame propagation		IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
 Flame spread		IEC 60332-3-24 Cat. C, EN 60332-3-24 Cat. C, VDE 0482-332-3-24 Cat. 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				Cu content kg/km	Total weight app. kg/km	Outer diameter app. mm	Fire load app. kWh/m
	n x mm <sup>2</sup>							
154 675	2	x	1,5	RE	29	100	8,5	0,33
154 676	2	x	2,5	RE	48	115	9,0	0,40
149 254	3	x	1,5	RE	43	110	9,0	0,33
154 369	3	x	2,5	RE	72	145	9,5	0,38
154 677	3	x	4	RE	115	230	12,0	0,59
154 678	3	x	6	RE	173	300	13,0	0,68
173 842	3	x	10	RE	288	510	16,0	1,08
154 367	4	x	1,5	RE	58	130	9,5	0,38
154 679	4	x	2,5	RE	96	200	10,5	0,46
154 680	4	x	4	RE	154	290	12,5	0,70
154 681	4	x	6	RE	230	390	14,0	0,83
174 718	4	x	10	RE	384	620	17,0	1,25
154 368	5	x	1,5	RE	72	150	10,0	0,44
154 370	5	x	2,5	RE	120	205	11,0	0,50
154 371	5	x	4	RE	192	340	13,5	0,81
154 372	5	x	6	RE	288	455	15,0	0,93
169 929	5	x	10	RE	480	730	18,5	1,44
169 930	5	x	16	RM	768	1150	22,5	2,06
154 682	7	x	1,5	RE	101	195	10,5	0,55
154 683	7	x	2,5	RE	168	285	12,5	0,74
174 719	10	x	1,5	RE	144	330	14,5	0,92
156 849	12	x	1,5	RE	173	345	15,0	0,95
174 720	24	x	1,5	RE	346	610	19,5	1,65

RE = circular, solid conductor

RM = circular, stranded conductor

Additional dimensions available on request.