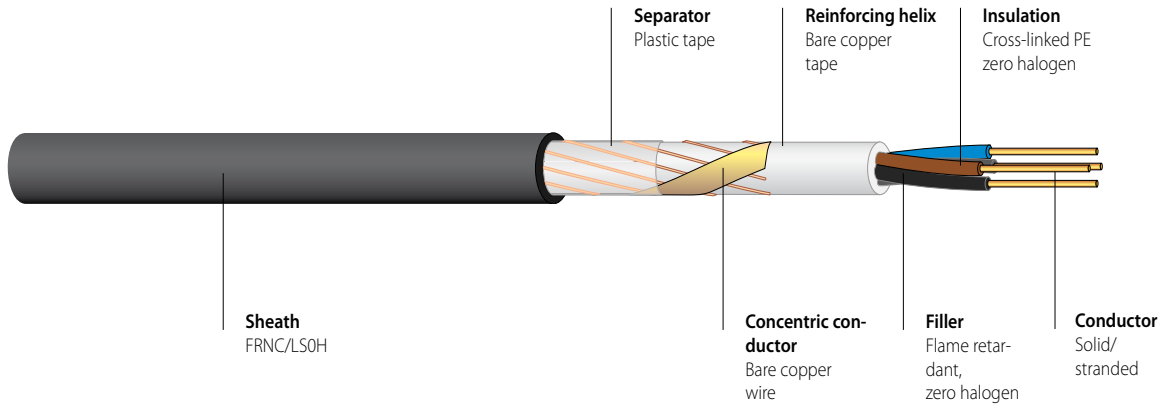


PREVENTIVE FIRE PROTECTION

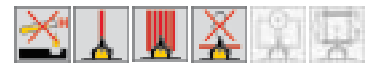
N2XCH

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
Concentric conductor	Bare copper wires with reinforced helix
Separator	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	12 x D (multicore cable) (D = outer diameter)
Operating temperature	permanent installation	-45°C to +90°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 60332-3-22/-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		Cu content	Total weight	Outer diameter	Fire load
	n	x mm ²	kg/km	app. kg/km	app. mm	app. kWh/m
188 225	2	x 1,5 RE/1,5	52	162	11,0	0,43
188 228	2	x 2,5 RE/2,5	80	206	12,0	0,49
188 226	3	x 1,5 RE/1,5	66	180	11,0	0,48
188 229	3	x 2,5 RE/2,5	104	234	12,0	0,55
188 231	3	x 4 RE/4	161	319	14,0	0,65
188 233	3	x 6 RE/6	240	430	15,0	0,75
188 235	3	x 10 RE/10	408	611	17,0	0,94
188 237	3	x 16 RM/16	643	924	20,0	1,47
188 239	3	x 25 RM/16	902	1280	23,0	1,94
188 241	3	x 35 RM/16	1190	1634	26,0	2,29
188 243	3	x 50 RM/25	1723	2235	29,0	2,72
188 227	4	x 1,5 RE/1,5	81	205	12,0	0,56
188 230	4	x 2,5 RE/2,5	128	269	13,0	0,64
188 232	4	x 4 RE/4	200	375	15,0	0,79
188 234	4	x 6 RE/6	297	510	16,0	0,92
188 236	4	x 10 RE/10	504	745	18,0	1,10
188 238	4	x 16 RM/16	796	1107	21,0	1,75
188 240	4	x 25 RM/16	1142	1572	25,0	2,36
188 242	4	x 35 RM/16	1526	2013	28,0	2,75
188 244	4	x 50 RM/25	2203	2759	32,0	3,38
188 245	4	x 70 RM/35	3082	3899	38,0	4,48
188 246	4	x 95 RM/50	4208	5164	42,0	5,44
188 247	4	x 120 RM/70	5388	6494	46,0	6,38
188 248	4	x 150 RM/70	6540	7959	52,0	7,97
188 249	4	x 185 RM/95	8159	9932	57,0	9,86
188 250	4	x 240 RM/120	10546	12989	65,0	12,01
170 156	7	x 1,5 RE/2,5	133	286	14,0	0,78
170 191	7	x 2,5 RE/2,5	200	373	15,0	0,89
170 192	7	x 4 RE/4	315	532	17,0	1,11
170 193	7	x 6 RE/6	470	727	18,0	1,25
170 157	12	x 1,5 RE/2,5	205	429	17,0	1,18
170 195	12	x 2,5 RE/4	334	600	19,0	1,40
170 158	24	x 1,5 RE/6	413	790	23,0	2,14
170 159	30	x 1,5 RE/6	499	921	25,0	2,52
170 196	30	x 2,5 RE/10	840	1319	28,0	3,01

RE = circular, solid conductor, RM= circular, stranded conductor
Additional dimensions available on request.