

**PREVENTIVE FIRE PROTECTION**

**FE5**

**Safety cable 0.6/1kV**

Halogen-free, with improved fire characteristics  
 With reference to SEV TP 20B/3C  
 and CENELEC HD 604 S1 part 5. H



**PRODUCT INFORMATION**



**APPLICATION** For permanent installation in dry, damp or wet areas, on or behind plasterwork or in walls or concrete. 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
Insulation	Polyolefin compound, CENELEC HD 604 S1 part 5 sec. H
Outer sheath	Flame retardant Polyolefin compound CENELEC HD 604 S1 part 5 sec. H
Core colours	CENELEC HD 308 S2
Sheath colour	Orange/Black
Imprint	On request

**ELECTRICAL PROPERTIES**

Nominal voltage	0.6/1kV
Test voltage	3500V, 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  
non corrosive gases  
IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2  
SEV TP 20B/3C 3.4.4
- Flame propagation  
IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2  
SEV TP 20B/3C 3.4.1.1
- Flame spread  
IEC 60332-3-24 Cat. C, EN 60332-3-24 Cat. C, VDE 0482-332-3-24 Cat. C  
SEV TP 20B/3C 3.4.1.3
- Smoke density  
IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2  
SEV TP 20B/3C 3.4.3

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Article No.	No. of cores x cross section				Cu content kg/km	Total weight app. kg/km	Outer diameter app. mm	Fire load kWh/m
	n x mm <sup>2</sup>							
	2	x	1.5	RE	29	73	8	0,17
	2	x	2.5	RE	48	109	9	0,24
	3	x	1.5	RE	43	88	8	0,18
	3	x	2.5	RE	72	130	9	0,24
	3	x	4	RE	115	189	11	0,31
	3	x	6	RE	173	282	12	0,45
	3	x	10	RE	288	435	15	0,63
188 216	3	x	16	RM	461	697	17	1,22
	4	x	1.5	RE	58	115	9	0,23
	4	x	2.5	RE	96	169	10	0,29
	4	x	4	RE	154	247	12	0,39
	4	x	6	RE	230	352	13	0,51
	4	x	10	RE	384	543	16	0,68
188 217	4	x	16	RM	614	874	19	1,5
188 219	4	x	25	RM	960	1332	23	2,14
188 028	4	x	35	RM	1344	1777	26	2,57
188 222	4	x	50	RM	1920	2343	29	3,15
188 030	4	x	70	RM	2688	3384	35	4,17
188 224	4	x	95	RM	3648	4490	39	5,16

RE = circular, solid conductor

RM = circular, stranded conductor

Additional dimensions available on request.

Safety cables

Support systems

Fixing devices

Firesup systems

Distribution boxes

Accessories

Information