

## FLAME-X 950 BFXI 0,6/1 kV

Norm: based on IEC 60502-1; HD 604-5D



Picture is informative only not in scale

**Fire resistant cables  
with copper conductors.**

<b>Conductors:</b>	plain annealed copper circular solid class 1(RE), circular or circular compacted stranded conductor class 2 (RM) or stranded sector – shaped conductor class 2 (SM) acc. to EN 60228
<b>Insulation:</b>	Mica tape and XLPE compound
<b>Colour of insulation:</b>	Black for 1 core cable Black, blue for 2 cores cable Black, brown, white for 3 cores cable Black, blue, brown, white for 4 cores cable or HD 308 S2
<b>Bedding:</b>	Halogen free tape
<b>Outer sheath:</b>	LSOH compound; colour orange 2003

**Maximum conductor operating temperature:** +90°C

**Maximum short-circuit conductor temperature:** +250°C

**Minimum installation temperature:** 0°C

**Test voltage of complete cable:** 4 kV AC 50Hz , 5 min.

**Flame retardant:** HD 405.3, DIN VDE 0472-804 C, IEC 60332-3 Category C

**Smoke density:** HD 606, DIN VDE 0472-816, IEC 61034-2: light transmittance values > 70%

**Gases evolved during combustion:** HD 602, DIN EN 50267, IEC 60754-2: pH ≥ 4,3;  
conductivity ≤ 100 μS/cm

**Application:** Fire resistant cables for fixed installation, indoors and outdoors. Specially for installations to secure areas from heavy smoke and corrosive gases in case of fire.

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Number and cross-sectional area	Number of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight	Maximum conductor resistance
n x mm <sup>2</sup>	n	mm	mm	mm	kg/km	Ω/km
4x4RE	1	0,7	1,8	16,7	354	4,61
5x4RE	1	0,7	1,8	17,9	415	4,61
4x6RE	1	0,7	1,8	18,1	456	3,08
5x6RE	1	0,7	1,8	19,6	541	3,08
4x10RE	1	0,7	1,8	20,2	659	1,83
5x10RE	1	0,7	1,8	21,8	784	1,83
4x16RE	1	0,7	1,8	22,8	950	1,15
5x16RE	1	0,7	1,8	24,7	1135	1,15

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