

## FlameBlocker IFXI 0,6/1 kV

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



Picture is informative only not in scale

**Halogen free power 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>	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>	Halogen free compound; colour black

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

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

**Minimum installation temperature:** 0°C

**Test voltage of complete cable:** 3,5 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:** Halogen free power 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/4	1	0,7	1,8	12,9	277	4,61
5x4RE/4	1	0,7	1,8	13,9	325	4,61
4x6RE/6	1	0,7	1,8	14,1	365	3,08
5x6RE/6	1	0,7	1,8	15,2	430	3,08
4x10RE/10	1	0,7	1,8	16	537	1,83
5x10RE/10	1	0,7	1,8	17,4	638	1,83
4x16RE/16	1	0,7	1,8	18,2	780	1,15
5x16RE/16	1	0,7	1,8	19,8	928	1,15

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