

# FlameBlocker IFSI-AI 0,6/1 kV



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



**Halogen free power cables  
with aluminium conductors.**

<b>Conductors:</b>	Aluminium stranded sector-shaped conductor class 2 (AFV) 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 black with numbering for 7 cores cable
<b>Bedding:</b>	Halogen free tape
<b>Concentric conductor:</b>	round copper wires with copper and polyester tape helically wound
<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.

**Minimum bending radius:** 12xD - for multicore cable; (D - overall cable diameter)

**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.

Number and cross-sectional area	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight	Maximum conductor resistance
n x mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km
3x25AFV/10	0,9	1,8	19,5	510	1,20/1,83
4x25AFV/16	0,9	1,8	22,6	640	1,20/1,15
4x50AFV/10	1,0	1,9	28,5	1040	0,641/1,83

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