

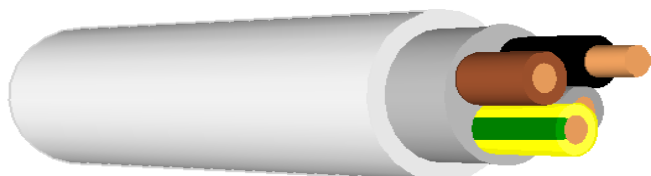
# FLAMEBLOCKER

## IFXI 300/500V

SS 424 02-19-5



### Halogen-free light sheathed cables with improved fire behaviour



#### CONSTRUCTION

<b>Conductors:</b>	annealed copper solid class 1 and class 2 acc. to EN 60228
<b>Insulation:</b>	special halogen-free thermoplastic polyolefin compound
<b>Inner covering:</b>	halogen-free not vulcanized rubber compound
<b>Sheath:</b>	special halogen-free thermoplastic polyolefin compound

#### CHARACTERISTIC

<b>Colour of sheath:</b>	white UV
<b>Core identification:</b>	
2-core:	blue, brown
3-core:	green-yellow, blue, brown
4-core:	green-yellow, brown, black, grey
4-core*:	green/yellow, blue, brown, black
5-core:	green-yellow, blue, brown, black, grey
* For certain applications only.	
<b>Maximum conductor operating temperature:</b>	+70°C
<b>Lowest ambient temperature for fixed installation:</b>	-30°C
<b>Lowest installation temperature:</b>	-15°C
<b>Maximum short-circuit conductor temperature:</b>	+160°C
<b>Minimum bending radius:</b>	
Normal use:	8 x D
Careful bending at termination:	4 x D, D – overall diameter
<b>Max. permissible tensile stress with cable grip for Cu-conductor:</b>	50 N/mm <sup>2</sup>
<b>Test voltage:</b>	2000V

#### FIRE PERFORMANCE

▪ <b>Flame retardant:</b>	IEC 60332-1-2, IEC 60332-3-24 (SS 4241475 F4C), IEC 60332-3-23 (SS 4241475 F4B)
▪ <b>Smoke density:</b>	EN 61034-2, IEC 61034-2
▪ <b>Gases evolved during combustion:</b>	IEC 60754-1, IEC 60754-2: pH ≥ 4,3; conductivity ≤ 10 μS/mm

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### APPLICATIONS

Installation cables for industrial complexes, public buildings, hotels, airports, hospitals or industrial plants with high concentration of people and/or property. Usable in the open, in dry, damp and wet environments in the open and concealed, as well as in masonry and in concrete, not suitable for imbedding in solidified – or compressed – concrete. The cable is UV protected for outdoor use in the Nordic countries. The conductor insulation shall be protected against direct UV light and similar from such as light fittings, illuminated signs and the like.

#### Standard length cable packing

100 m coils or 500 m on drums.

Other forms of packing and delivery are available on request.

### MARKING

TF KABLE 2 IFXI 3G2,5 300/500 CE 2017 meter marks

Number and cross-sectional area of conductor	Minimum number of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C	Minimum insulation resistance at 70°C
n x mm <sup>2</sup>	n	mm	mm	mm	kg/km	Ω/km	MΩ. km
3G2,5	1	0,8	1,2	10,6	218	7,41	0,010
5G2,5	1	0,8	1,2	12,4	300	7,41	0,010
3G4*	1	0,8	1,2	11,4	247	4,61	0,0077
3G4	2	0,8	1,2	12,1	267	4,61	0,0077
5G4*	1	0,8	1,4	14,3	390	4,61	0,0077
5G4	2	0,8	1,4	15,1	419	4,61	0,0077
3G6*	1	0,8	1,4	12,8	333	3,08	0,0065
3G6	2	0,8	1,4	13,2	346	3,08	0,0065
5G6	2	0,8	1,4	16,1	570	3,08	0,0065
5G10	2	1,0	1,4	19,6	819	1,83	0,0065
5G16	2	1,0	1,6	23,2	1213	1,15	0,0052
5G25	2	1,2	1,6	28,2	1843	0,727	0,050

\*based on norm

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