

FLAMEBLOCKER

IFSI-EMC 450/750V

Based on HD 627-7-B2



**Halogen- free low smoke control cables
with copper concentric conductor**



CONSTRUCTION

Conductors:	plain annealed copper circular solid class 1(RE), circular or circular compacted stranded conductor class 2 (RM) acc. to EN 60228
Insulation:	special halogen-free thermoplastic compound
Inner covering:	halogen free tape
Concentric conductor:	Copper foil tape and copper wires with copper tape helically wounded
Sheath:	special halogen-free thermoplastic compound
Colour of sheath:	black
Core identification:	white with black numbering

CHARACTERISTIC

Maximum conductor operating temperature:	+70°C
Lowest ambient temperature for fixed installation:	-40°C
Lowest installation temperature:	-20°C
Cold impact test HD 627-7-B2:	-25±2°C
Maximum short-circuit conductor temperature:	+160°C
Test voltage of complete cable:	2500V AC 50Hz , 5 min.
Minimum bending radius:	12D, D - overall cable diameter
Maximum permissible tensile stress with cable grip for Cu:	50 N/mm ²

FIRE PERFORMANCE

Flame propagation:	IEC 60332-3-24 (cat. C)
Smoke density:	IEC 61034-2
Gases evolved during combustion:	IEC 60754-2: pH ≥ 3,5; conductivity ≤ 10 μSmm ⁻¹

APPLICATIONS

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. The copper screen have 100% covering and complies with the EMC directive with right practicable installation.	
Standard length cable packing	500 or 1000m on drums. Other forms of packing and delivery are available on request

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Number and cross-sectional area of conductor	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C	Metal screen Maximum resistance at temperature 20°C
n x mm ²	mm	kg/km	Ω/km	Ω/km
5x1,5RE	12,8	229	12,1	7,0
7x1,5RE	13,9	286	12,1	4,5
12x1,5RE	16,9	399	12,1	4,5
18x1,5RE	19,5	565	12,1	3,0
19x1,5RE	19,9	604	12,1	3,0
27x1,5RE	23,0	773	12,1	3,0
37x1,5RE	25,2	967	12,1	3,0
5x2,5RE	14,3	294	7,41	7,0
7x2,5RE	15,9	402	7,41	4,5
12x2,5RE	18,9	566	7,41	4,5
19x2,5RE	23,3	904	7,41	3,0
27x2,5RE	27,2	1194	7,41	3,0

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