

(N)A2XH-J(-O) 0,6/1 kV B2ca

Safety and halogen-free cables



TECHNICAL INFORMATION:

Power cable with aluminum cores (A), halogen-free polyethylene insulation (2X) and halogen-free sheath (H), with a protective conductor (J) or without a protective conductor (O).

CONSTRUCTION

Conductors	aluminium, according to PN-EN 60228 RM – round stranded class 2
Insulation	special halogen-free cross-linked polyethylene XLS
Sheath	special halogen-free, self-extinguishing and flame retardant, black
Insulation colours	1-(J): green and yellow 1-(-O) core – black
Operating temperature	-40°C to +90°C
Lowest installation temperature	-5°C
Maximum short-circuit conductor temperature	+250°C
Nominal voltage	0,6/1 kV
Minimum bending radius	15 x D, (D – overall diameter)
Application	Halogen-free cables designed for installation in facilities where human life or material goods must be protected in the event of a fire, intended for use as power and control cables in buildings and public facilities with increased fire protection requirements due to the concentration of people, fixed and cultural assets i.e. hospitals, shopping centers, cinemas, theaters, museums, medium-high and high buildings). Intended for permanent laying in installation shafts, ducts, tunnels and cable rooms
Fire performance: · Flame retardant: · Smoke density: · Gases evolved during combustion: · Reaction to fire class (according to EN 50575): single-core cables	IEC 60332-1-2, PN-EN 60332-1-2 IEC 61034-2, PN-EN 61034-2 light transmittance values $\geq 60\%$ < 80% IEC 60754-2, PN-EN 60754-2: pH $\geq > 4,3$; conductivity < 2,5 μ s/mm B2ca- s1a,d0,a1
Packing	Drums

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Number and nominal cross-section of conductor [n x mm ²]	Approximate external cable diameter [mm]	Approximate cable weight [kg/km]
1 x 25 RM	10,3	149
1 x 35 RM	11,3	184
1 x 50 RM	12,7	235
1 x 70 RM	14,6	317
1 x 95 RM	16,4	409
1 x 120 RM	17,9	499
1 x 150 RM	20,2	621
1 x 185 RM	22,1	761
1 x 240 RM	24,5	954

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