

AXMK-HF C-PRO 1X300

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APPLICATION

For fixed installation indoors and outdoors, and as a part of cable bus system. Especially for circumstances where it is required to have installation cables with a low emission of smoke and corrosive gases in case of fire.

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CERTIFICATIONS AND DESIGN STANDARDS



EN 60228

IEC 60502-1

EN 50575:2014/A1:2016

EN 60332-1-2

EN 60332-3

IEC 60754

IEC 61034

Conductor standard

1 kV & 3 kV power cables with extruded insulation.

Cables for general applications in construction works subject to reaction to fire requirements

Vertical flame propagation for a single insulated wire or cable

Tests on electric and optical fibre cables under fire conditions. Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables.

Corrosive gases

Smoke density

Conductor material	Aluminium
Conductor surface	Bare
Core insulation material	XLPE
Material outer sheath	Halogenfree polymer
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Permitted cable outer temperature after assembling without vibration (min) [°C]	-40
Resistant to UV	Yes
Permitted cable outer temperature during assembling/handling (min) [°C]	-20
Bending radius (rule)	15x OD
Reaction-to-fire class (acc. EN 13501-6)	Cca
Smoke development class (acc. EN 13501-6)	s1
Euro class flaming droplets/particles (acc. EN 13501-6)	d1
Euro class acidity (acc. EN 13501-6)	a1
Flame retardant	In accordance with EN 13501-6

PRODUCT PROPERTIES

Number of cores	1
Nominal cross section conductor [mm ²]	300
Conductor category	Class 2 = stranded
Shape of conductor	Round
With protective conductor	No
Colour outer sheath	Black
Nominal outer diameter [mm]	29
Cable weight [kg/km]	1,200
Min. bending radius during installation [mm]	0
Conductor resistance at 20° C [Ohm/km]	0.1
Current carrying capacity [A]	
Current carrying capacity in air [A]	0
DOP number	1003960

Current load, flat installation method F, cable temperature 70°C, air temperature 25°C

Current load in air, flat installation method F, cable temperature 90°C, air temperature 25°C

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
AXMK-HF C-PRO 1X300 AN 1KV	6410006242788	Drum	500