

## 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

Flame retardant

In accordance with EN 13501-6

Halogen free

Yes

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

UV resistant

Yes

## PRODUCT PROPERTIES

Number of cores	1
Nominal cross section conductor [mm <sup>2</sup> ]	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]	0
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