

# AXMK PE 1kV

AXMK PE 1kV 4G300 SM

## Contact

Installation & Industry Cables  
Phone: 040 70 78 444  
building-pc.se@nexans.com

Nexans ref.: [35015498](#)

Country ref.: 0623120

GTIN: 7330000136151

The cable may be used for permanent installation in air, ground and water.

## DESCRIPTION

AXMK-PE is a halogen free, XLPE-insulated, PE-sheathed cable with sector shaped, stranded, aluminium conductors. To simplify the removal of the sheath a tear thread has been added under the sheath. The cable is designed according to HD 603. The conductors have resistance and number of wires according to IEC 60228 class 2, and the insulation is UV-protected. The cores are identified by colours according to HD 308. The sheath is marked type/manufacturer/year+month/metre marking. AXMK-PE is not flame retardant. The cable is certified by SGS Fimko.

## Lifemark(TM) recycling marking

The external surface of the outer sheath is embossed with a text which specifies all components in the polymers and prepares the cable for future recycling.

## Standards

AXMK-PE is manufactured and tested according SFS 4879. The cable can be loaded in accordance with valid power current regulations.

## Certification

Approved by SGS Fimko.

## Quality and environmental management system

Certified according to ISO 9001, IRIS, ISO/TS 16949 and ISO 14001.



# Lifemark<sup>TM</sup>

## STANDARDS

International HD 603 S1/5D

National SFS 5800



Halogen free  
Yes



Conductor flexibility  
Stranded



Rated Voltage Uo/U  
(Um)  
0.6/1 kV



Minimum  
installation  
temperature  
-20 °C



Maximum operating  
temperature  
90 °C



U.V resistance  
Yes



Static bending rad.  
590 mm



Bending factor  
installed  
8 (xD)

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## CHARACTERISTICS

### Construction characteristics

Conductor material	Aluminum
Insulation	XLPE (chemical)
Outer sheath	PE
Colour	Black
Halogen free	Yes
Conductor flexibility	Stranded
Conductor shape	Sector-shaped stranded (SM)

### Dimensional characteristics

Number of cores	4
Conductor cross-section	300 mm <sup>2</sup>
Average insulation thickness	1.8 mm
Average sheath thickness	3.0 mm
Nominal outer diameter	59.0 mm
Approximate weight	432.0 kg/100m

### Electrical characteristics

Conductor electrical resistance	0.1 Ohm/km
Nominal phase capacitance	0.1 µF / km
Nominal inductance at installation	0.23 mH/km
Rated Voltage U <sub>0</sub> /U (Um)	0.6/1 kV

### Usage characteristics

Minimum installation temperature	-20 °C
Maximum operating temperature	90 °C
Short-circuit max. conductor temperature	250 °C
Length	500 m
Packaging	K24
U.V resistance	Yes
Minimum static operating bending radius	590 mm
Bending factor when installed	8 (xD)
Bending factor when laying	12 (xD)
Installation type	Outdoor - Direct burial

## SELLING INFORMATION

AXMK-PE will be delivered in lengths of 500 m. The drum is marked with manufacturer, type of cable and length. The ends of the cable are sealed.