

## AXMK 1-core

## Aluminium power cable

## 0,6/1 (1,2) kV



### Application

Aluminium power cable for fixed installations indoors and outdoors. The cable is not intended for underground installations. UV-protected oversheath and core insulation. Installations must be in accordance with national regulations and rules of installations. The cable is flame-retardant according to CPR-class Eca.

### Design

<b>Standards</b>	SFS 4879, SEK TS 424 14 18-1, HD 603 5 D & O
<b>Certificates</b>	SGS Fimko FI 42472 Issue 1
<b>Reaction to fire</b>	Eca; EN 13501-6, EN 50575:2014+A1:2016
<b>Conductor</b>	Circular stranded aluminium, EN/IEC 60228 class 2
<b>Insulation</b>	UV-protected cross-linked polyethylene XLPE
<b>Inner covering</b>	Plastic tape
<b>Oversheath</b>	UV-protected PVC-compound , Black

### Temperature limits

<b>Max. conductor temperature °C</b>	90
<b>Max. cond. temp. short circuit max. 5 s °C</b>	250
<b>Min. cable temperature during operation °C</b>	-40
<b>Min. cable temperature during handling °C</b>	-20
<b>Min. cable temperature during transport °C</b>	-25

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Technical information	1x300	1x800
<b>Product code</b>	<b>1116020</b>	<b>1700134</b>
Nominal cable diameter mm	28	43
Nominal cable weight kg/km	1178	2994
Nominal weight of Aluminium kg/km	812	2204
Nominal Insulation thickness mm	1,8	2,6
Nominal thickness of oversheath mm	1,8	2,3
<b>Fire load</b>		
Fire load MJ/m	11,121	24,854
Fire load kWh/m	3,089	6,904
<b>Maximum forces during installation when pulling by</b>		
Max. pulling force by pulling-eye kN	4,5	12,0
Max. pulling force by pulling-stocking kN	4,5	8,5
<b>Minimum bending radii</b>		
Minimum bending radius, handling mm	419	648
Minimum bending radius, final bending mm	293	454
<b>Minimum bending radii</b>		
During handling and installation, cable cm	42	65
In final installation, cable cm	29	45
<b>Minimum bending radii</b>		
During handling and installation, cable m	0,42	0,65
In final installation, cable m	0,29	0,45
<b>DC resistance</b>		
Max. DC resistance of conductor at 20 °C Ω/km	0,100	0,0367
<b>Current ratings</b>		
<b>Cables in air (25 °C)</b>		
Flat, conductor 70 °C, free space one cable diam A	579	1141
<b>Cables in air (30 °C)</b>		
Flat, conductor 90 °C, free space one cable diam A	708	1313
<b>Maximum thermal short circuit current during 1 s</b>		
Phase (initial 65 °C, final 250 °C) kA	31,1	82,8
Phase (initial 90 °C, final 250 °C) kA	28,2	75,6

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STANDARD PACKAGES	1x300	1x800
Product code	1116020	
GTIN code	6410006262007	
Package	500 K14	
Product code	1116020	
GTIN code	6410006262021	
Package	1000 K18	