

## AXMK GY

### Aluminium power cable

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



### Application

Aluminium power cable for fixed installations indoors and outdoors. May be buried directly in soil. 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>	16...25 mm <sup>2</sup> circular stranded aluminium, EN/IEC 60228 class 2
<b>Insulation</b>	UV-protected cross-linked polyethylene XLPE
<b>Core Identification</b>	Black Yellow-green, brown, black, grey Yellow-green, blue, brown, black, grey
<b>Inner covering</b>	Plastic tape
<b>Oversheath</b>	UV-protected PVC-compound , Grey

### 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

2026-06-04 07:41:14

Technical information	4x16 S GY	4x25 S GY
<b>Product code</b>	<b>1116347</b>	<b>1703480</b>
Nominal cable diameter mm	19	22
Nominal cable weight kg/km	370	517
Nominal weight of Aluminium kg/km	175	266
Nominal Insulation thickness mm	0,7	0,9
Nominal thickness of oversheath mm	1,8	1,8
<b>Fire load</b>		
Fire load MJ/m	5,273	7,140
Fire load kWh/m	1,465	1,983
<b>Maximum forces during installation when pulling by</b>		
Max. pulling force by pulling-eye kN	1,0	1,5
Max. pulling force by pulling-stocking kN	1,0	1,5
<b>Minimum bending radii</b>		
Minimum bending radius, handling mm	226	266
Minimum bending radius, final bending mm	158	186
<b>Minimum bending radii</b>		
During handling and installation, phase conductor cm	10	9
During handling and installation, cable cm	23	27
In final installation, phase conductor cm	7	6
In final installation, cable cm	16	19
<b>Minimum bending radii</b>		
During handling and installation, cable m	0,23	0,27
In final installation, cable m	0,16	0,19
<b>DC resistance</b>		
Max. DC resistance of conductor at 20 °C Ω/km	1,91	1,20
<b>Electrical values</b>		
Calculated inductance mH/km	0,29	0,28
Calculated operation capacitance µF/km	0,30	0,29

2026-06-04 07:41:14

Technical information	4x16 S GY	4x25 S GY
<b>Current ratings</b>		
<b>Cables in air (25 °C)</b>		
two loaded conductor, conductor 70 °C A	76	93
three loaded conductor, conductor 70 °C A	63	81
two loaded conductor, conductor 90 °C A	95	112
three loaded conductor, conductor 90 °C A	80	101
<b>Cables in air (30 °C)</b>		
two loaded conductor, conductor 70 °C A	73	89
three loaded conductor, conductor 70 °C A	61	78
two loaded conductor, conductor 90 °C A	91	108
three loaded conductor, conductor 90 °C A	77	97
<b>Cables in the ground (15 °C and 1,0 K.m/W), Installation depth 0,7 m</b>		
Cables in the ground, conductor 65 °C A	78	100
<b>Cables in the ground (20 °C and 2,5 K.m/W), Installation depth 0,7 m</b>		
Cables in the ground, conductor 90 °C A	64	82
<b>Maximum thermal short circuit current during 1 s</b>		
Phase (initial 65 °C, final 250 °C) kA	1,7	2,6
Phase (initial 90 °C, final 250 °C) kA	1,5	2,4

2026-06-04 07:41:14

STANDARD PACKAGES	4x16 S GY	4x25 S GY
Product code	1116347	1703480
GTIN code	6410006262069	6410006262526
Package	500 K11	500 K12