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

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

Temperature limits

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

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

MADE IN FINLAND

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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	

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