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MMJ

Installation cable

450/750 V

Application

Installation cable for fixed installations indoors and outdoors. Not to be laid in soil nor directly in cast concrete. Can be embedded to the groove filled with plaster. The conductor insulation must be protected against UV-radiation. 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 2091, SS 424 02 19-3, NEK 535
Reaction to fire	Eca; EN 13501-6, EN 50575:2014+A1:2016
Conductor	Circular stranded copper, EN/IEC 60228 class 2
Insulation	PVC-compound
Core Identification	2N: Blue, brown 3x: Brown, black, grey 3S: Yellow-green, blue, brown 4N: Blue, brown, black, grey 4S: Yellow-green, brown, black, grey 5N: Blue, brown, black, grey, black 5S: Yellow-green, blue, brown, black, grey
Inner covering	Extruded filling compound
Oversheath	UV-protected PVC-compound , White

Temperature limits

Max. conductor temperature °C	70
Max. cond. temp. short circuit max. 5 s °C	160
Min. cable temperature during operation °C	-40
Min. cable temperature during handling °C	-15
Min. cable temperature during transport °C	-40

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Technical information	5x6 S
Product code	**1102123**
Nominal cable diameter mm	16
Nominal cable weight kg/km	514
Nominal weight of copper kg/km	269
Nominal diameter of conductor mm	3,1
Nominal Insulation thicness mm	0,8
Nominal thickness of oversheath mm	1,5
Fire load	
Fire load MJ/m	5,001
Fire load kWh/m	1,389
Maximum forces during installation when pulling by	
Max. pulling force by pulling-eye kN	1,5
Minimum bending radii	
Minimum bending radius, handling mm	164
Minimum bending radius, final bending mm	49
Minimum bending radii	
During handling and installation, cable cm	16
In final installation, cable cm	5
DC resistance	
Max. DC resistance of conductor at 20 °C Ω/km	3,08
Electrical values	
Minimum insulation resistance MΩ × km	0,0065
Current ratings	
Cables in air (25 °C)	
two loaded conductor, conductor 70 °C A	53
three loaded conductor, conductor 70 °C A	45
Cables in air (30 °C)	
two loaded conductor, conductor 70 °C A	51
three loaded conductor, conductor 70 °C A	43

MADE IN FINLAND

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STANDARD PACKAGES	5x6 S
Product code	1102123
GTIN code	6410004570104
Package	1000 K11
Product code	1102123
GTIN code	6410004569450
Package	400 K8
Product code	1102123
GTIN code	6410004569474
Package	500 K9
Product code	1102123
GTIN code	6410004569467
Package	250 MK8
Product code	1102123
GTIN code	6410004069455
Package	50 bundle

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