

## AMKA 1 kV

Self supporting bundle assembled aerial cable



APPLICATION	For overhead distribution as a part of AMKA system, where the messenger is used as PEN conductor.
RATED VOLTAGE	U <sub>0</sub> /U = 0,6/1 kV, U <sub>m</sub> = 1,2 kV
Declaration of Performance (DoP)	non CPR

## CE RoHS

SFS 2200  
HD 626-5D

Aerial bundled cable AMKA

Conductor	Aluminium
Insulation	Polyethylene (PE)
Max. conductor temperature [°C]	70
Max. conductor temperature at short circuit [°C]	135
Permitted cable outer temperature during assembling/handling (min) [°C]	-20
Minimum permissible bending radius during laying	20x D

## FIRE PROPERTIES

© Prysmian Group Finland Oy. All rights reserved.

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group; any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without notice.

This specification is not contractually valid unless specifically authorised by Prysmian Group.

## DELIVERY INFO

Snro	PRODUCT NAME	EAN-code (GTIN)	Packaging type	Standard delivery length
0658507	AMKA 1x16+25 1kV K2000	6410006585076	Drum	2,000
0658547	AMKA 3x16+25 1kV K1000	6410006585472	Drum	1,000
0658548	AMKA 3x25+35 1kV K1000	6410006585489	Drum	1,000
0658549	AMKA 3x35+50 1kV K1000	6410006585496	Drum	1,000
0658550	AMKA 3x50+70 1kV K1000	6410006585502	Drum	1,000
0658551	AMKA 3x70+95 1kV K500	6410006585519	Drum	500
0658554	AMKA 3x120+95 1kV K500	6410006585540	Drum	500
0658567	AMKA 4x16+25 1kV K1000	6410006585670	Drum	1,000
0658558	AMKA 3x25+16+35 1kV K1000	6410006585588	Drum	1,000
0658559	AMKA 3x35+16+50 1kV K1000	6410006585595	Drum	1,000

© Prysmian Group Finland Oy. All rights reserved.

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group; any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without notice.

This specification is not contractually valid unless specifically authorised by Prysmian Group.

## MECHANICAL AND ELECTRICAL DATA

Product name	Diameter over cable [mm]	Max. DC resistance, conductor (20°C) [ohm/km]	Current rating, ref. install. type E [A]	Weight [kg/km]	Min. permissible bending radius during laying [mm]
AMKA 1x16+25	11	1.91		140	280
AMKA 3x16+25	20	1.91		270	420
AMKA 3x25+35	23	1.2		400	500
AMKA 3x35+50	27	0.868		550	580
AMKA 3x50+70	31	0.641		730	660
AMKA 3x70+95	36	0.443		1,000	780
AMKA 3x120+95	42	0.253		1,500	920
AMKA 4x16+25	22	1.91		340	420
AMKA 3x25+16+25	25	1.2		470	500
AMKA 3x35+16+50	29	0.868		610	580

Current rating: installation method E (in free air, +25°C), conductor max. operation temp.

SÄHKÖISIÄ ja MEKAANISIA ARVOJA	yksikkö	3x16+25	3x25+35	3x35+50	3x50+70	3x70+95	3x120+95
Vaihejohtimen vaihtovirtaresistanssi, +70 °C	Ω/km	2,3	1,4	1,0	0,77	0,53	0,30
Kannattimen maks. tasavirtaresistanssi, +20 °C	Ω/km	1,38	0,986	0,720	0,493	0,363	0,363
Induktanssi vaihetta kohti	mH/km	0,35	0,34	0,34	0,33	0,31	0,30
Suurin sallittu 1 sekunnin oikosulkuvirta *)	Vaihejohdin, kA	1,0	1,6	2,3	3,2	4,5	7,8
Suurin sallittu 1 sekunnin oikosulkuvirta *)	Kannatin, kA	1,5	2,1	3,0	4,3	5,9	5,9
Kannattimen min. murtolujuus	kN	7,4	10,3	14,7	20,6	27,9	27,9

SÄHKÖISIÄ ja MEKAANISIA ARVOJA	yksikkö	1x16+25	4x16+25	3x25+16+35	3x35+16+50
Vaihejohtimen vaihtovirtaresistanssi, +70 °C	Ω/km	2,3	2,3	1,4	1,0
Kannattimen maks. tasavirtaresistanssi, +20 °C	Ω/km	1,38	1,38	0,986	0,720
Induktanssi vaihetta kohti	mH/km	0,29	0,35	0,34	0,34
Suurin sallittu 1 sekunnin oikosulkuvirta *)	Vaihejohdin, kA	1,0	1,0	1,6	2,3
Suurin sallittu 1 sekunnin oikosulkuvirta *)	Kannatin, kA	1,5	1,5	2,1	3,0
Kannattimen min. murtolujuus	kN	7,4	7,4	10,3	14,7

© Prysmian Group Finland Oy. All rights reserved.

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group; any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without notice.

This specification is not contractually valid unless specifically authorised by Prysmian Group.