

AHXAMK-W 12/20 kV WISKI®

Completely watertight Wiski® power cable with aluminium conductors



GENERAL INFO

APPLICATION	Underground installation, can be installed by ploughing. Fixed outdoor and indoor installations on racks and in duct.
RATED VOLTAGE	U ₀ /U = 12/20 kV, U _m = 24 kV
Declaration of Performance (DoP)	non CPR

STANDARDS AND CERTIFICATIONS

RoHS



SFS 5636
HD 620-10F
IEC 60502-2

Construction
Design
Construction standard

CABLE DESIGN

Conductor	Aluminium
Longitudinal water blocking conductors	Yes
Insulation	XLPE
Longitudinal water blocking cable	Yes
Radial water blocking cable	Yes
Screen construction	Metal tape
Screen material	Aluminium
Outer sheath	Polyethylene (PE)
Laminated sheath	Yes
Longitudinal water blocking screen	Yes

APPLICATION PROPERTIES

Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Permitted cable outer temperature during assembling/handling (min) [°C]	-20
Minimum permissible bending radius during laying	15x OD

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FIRE PROPERTIES

Halogen free

Yes

DELIVERY INFO

Snro	PRODUCT NAME	EAN-code (GTIN)	Packaging type	Standard delivery length	Standard packaging
0624250	AHXAMK-W 3x50+35 20kV Wiski TT	6410006242504	Drum	500	K24
0624252	AHXAMK-W 3x95+35 20kV Wiski TT	6410006242528	Drum	500	K24
0624253	AHXAMK-W 3x120+35 20kV Wiski TT	6410006242535	Drum	500	K24
0624254	AHXAMK-W 3x150+35 20kV Wiski TT	6410006242542	Drum	500	K26
0624255	AHXAMK-W 3x185+35 20kV Wiski TT	6410006242559	Drum	500	K26
0624258	AHXAMK-W 3x240+35 20kV Wiski TT	6410006242566	Drum	500	K28
0624256	AHXAMK-W 3x240+70 20kV Wiski TT	6410006242566	Drum	500	K28
0624259	AHXAMK-W 3x300+35 20kV Wiski TT	6410006242597	Drum	500	K28
0624257	AHXAMK-W 3x300+70 20kV Wiski TT	6410006242573	Drum	500	K28

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MECHANICAL DATA

Product description (short)	Diameter over cable [mm]	Pulling force pulling head [N]	Pulling force with pulling hose [N]	Weight [kg/km]	Min. permissible bending radius during laying [mm]
AHXAMK-W 3x50+35 20kV	63	7,500	2,200	2,300	500
AHXAMK-W 3x95+35 20kV	70	14,300	4,300	3,050	560
AHXAMK-W 3x120+35 20kV	73	18,000	5,400	3,350	580
AHXAMK-W 3x150+35 20kV	76	20,000	6,800	3,700	610
AHXAMK-W 3x185+35 20kV	79	20,000	8,300	4,150	630
AHXAMK-W 3x240+35 20kV	86	20,000	8,500	5,100	700
AHXAMK-W 3x240+70 20kV	88	20,000	8,500	5,350	700
AHXAMK-W 3x300+35 20kV	91	20,000	8,500	5,800	740
AHXAMK-W 3x300+70 20kV	93	20,000	8,500	6,100	740

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SÄHKÖISIÄ ARVOJA	yksikkö	3x50 +35	3x95 +35	3x120 +35	3x150 +35	3x185 +35	3x240 +70	3x300 +70
Vaihejohtimen vaihtovirtaresistanssi, +65 °C *)	Ω/km	0,76	0,38	0,30	0,25	0,20	0,15	0,12
Vaihejohtimen vaihtovirtaresistanssi, +90 °C *)	Ω/km	0,82	0,41	0,33	0,27	0,21	0,16	0,13
Vaihejohtimen maks. tasavirtaresistanssi, +20 °C	Ω/km	0,641	0,320	0,253	0,206	0,164	0,125	0,100
Keskusköyden maks. tasavirtaresistanssi, +20 °C	Ω/km	0,524	0,524	0,524	0,524	0,524	0,268	0,268
Induktanssi vaihetta kohti	mH/km	0,45	0,40	0,39	0,37	0,36	0,35	0,34
Varausvirta	A/km	0,6	0,8	0,9	0,9	1,0	1,1	1,2
Maasulkuvirta	A/km	1,9	2,4	2,6	2,8	3,0	3,4	3,7
Kuormitettavuus maassa, +65 °C *)	A	155	235	265	300	330	385	435
Kuormitettavuus ilmassa, +65 °C *)	A	160	230	265	300	345	400	460
Kuormitettavuus ilmassa, +90 °C *)	A	195	280	325	370	425	490	565
Suurin sallittu 1 sekunnin oikosulkuvirta, vaihejohdin	kA	4,7	8,9	11,3	14,1	17,4	22,6	28,3
Suurin sallittu 1 sekunnin oikosulkuvirta, kosketussuoja	kA	2,4	2,7	2,9	3,0	3,2	4,4	4,8
Suurin sallittu 1 sekunnin oikosulkuvirta, keskusköysi	kA	5,0	5,0	5,0	5,0	5,0	9,7	9,7
Käyttökapasitanssi	μF/km	0,17	0,22	0,24	0,26	0,28	0,31	0,34

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