

AHXAMK-W 3X300+70

Medium voltage power cable



APPLICATION

3-core stranded power cable with round, stranded and compacted aluminium conductor. Cable is radially and longitudinally water-sealed. The cores are stranded around the messenger wire. For fixed outdoor installations, suitable for ploughing down.

CERTIFICATIONS AND DESIGN STANDARDS

HD 620-10F

Distribution cables of rated voltage 6-36 kV

Conductor material	Aluminium
Conductor surface	Bare
Core insulation material	XLPE
Armouring/reinforcement	Armouring tape
Armouring/reinforcement material	Aluminium
Screen construction	Metal tape
Screen	Yes
Screen material	Aluminium
Material outer sheath	Polyethylene (PE)
Laminated sheath	Yes
Nominal voltage U ₀ [V]	12,000
Nominal voltage U [V]	20,000
Resistant to UV	Yes

Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Permitted cable outer temperature after assembling without vibration (min) [°C]	-40
Resistant to UV	Yes
Permitted cable outer temperature during assembling/handling (min) [°C]	-20
Bending radius (rule)	15x OD

MECHANICAL DATA

Basic construction	3X300+70
Diameter conductor [mm]	20.5
Nominal diameter over insulation [mm]	32.1
Nominal outer diameter [mm]	93
Cable weight [kg/km]	6,100
Min. final single bending radius [mm]	840
Min. bending radius during installation [mm]	1,260

We reserve the right to change as a result of product development and/or changes in product standard.

CURRENT DATA

Basic construction	3X300+70
Current carrying capacity in ground [A]	435
Current carrying capacity in air [A]	565
Current carrying capacity [A]	460
Short circuit current conductor (Isec) [kA]	31.1

Current load in ground, cable 65°C, installation method D2 (directly in ground). Ground temperature 15°C, thermal resistivity 1,0 K.m/W

Current load in air, cable 90°C, installation method E, temperature 25°C

Current load, cable 65°C, installation method E, temperature 25°C

Short circuit initial temperature 65°C

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
AHXAMK-W 3X300+70 20KV WISKI TT	6410006242573	Drum	500