

AXPK-PE 4G120

1kV underground cable with aluminum conductors



APPLICATION

Power cable with annealed aluminium conductors. For outdoors fixed installation, perfect for ploughing down.

CERTIFICATIONS AND DESIGN STANDARDS

HD 603-5D	Distribution cables of rated voltage 0,6/1 kV
EN 60228	Conductor standard
IEC 60502-1	1 kV & 3 kV power cables with extruded insulation.
HD 308 S2	Identification of cores in cables and flexible cords

Conductor material	Aluminium
Conductor surface	Bare
Core insulation material	XLPE
Core identification (acc. HD 308 S2)	Yes
Material outer sheath	Polyethylene (PE)
Max. conductor temperature [°C]	90
UV resistant	Yes
Permitted cable outer temperature during assembling/handling (min) [°C]	-20
Bending radius (rule)	12xD
Reaction-to-fire class (acc. EN 13501-6)	Fca

PRODUCT PROPERTIES

Conductor category	Class 2 = stranded
Shape of conductor	Sector-shaped
Nominal cross section conductor [mm ²]	120
Number of cores	4
With protective conductor	Yes
Colour outer sheath	Black
Nominal outer diameter [mm]	38
Conductor resistance at 20° C [Ohm/km]	0.253
Current carrying capacity in air [A]	274
Current carrying capacity in ground [A]	255
Cable weight [kg/km]	1,700
Min. bending radius during installation [mm]	450
DOP number	1016413

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

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

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
AXPK-PE 4G120 0,6/1 kV	4741532130365	Drum	500