

AXPK-PE 4G240

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]	240
Number of cores	4
With protective conductor	Yes
Colour outer sheath	Black
Nominal outer diameter [mm]	53
Conductor resistance at 20° C [Ohm/km]	0.125
Current carrying capacity in air [A]	425
Current carrying capacity in ground [A]	375
Cable weight [kg/km]	3,350
Min. bending radius during installation [mm]	620
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 4G240	4741532130396	Drum	500