

## AXPK-PE 4G35

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**  
**EN 60228**  
**IEC 60502-1**  
**HD 308 S2**

Distribution cables of rated voltage 0,6/1 kV  
 Conductor standard  
 1 kV & 3 kV power cables with extruded insulation.  
 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 <sup>2</sup> ]	35
Number of cores	4
With protective conductor	Yes
Colour outer sheath	Black
Nominal outer diameter [mm]	23
Conductor resistance at 20° C [Ohm/km]	0.868
Current carrying capacity in air [A]	125
Current carrying capacity in ground [A]	125
Cable weight [kg/km]	600
Min. bending radius during installation [mm]	270
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 4G35 0,6/1 kV	4741532130327	Drum	1,000