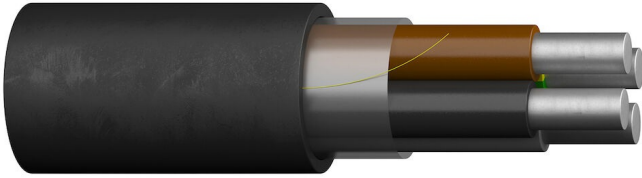


## AXPK-PE 4G16

1kV underground cable with aluminum conductors



### APPLICATION

Power cable with aluminium conductor. For fixed outdoor installation, perfect for ploughing down. Conductor insulation UV resistance according to HD 603-5D.

### 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
Max. conductor temperature at short circuit [°C]	250
Resistant to UV	Yes
Permitted cable outer temperature during assembling/handling (min) [°C]	-20
Bending radius (rule)	12xD
Halogen free	Yes
Reaction-to-fire class (acc. EN 13501-6)	Fca
UV resistant	Yes

## PRODUCT PROPERTIES

Conductor category	Class 1 = solid
Shape of conductor	Round
Nominal cross section conductor [mm <sup>2</sup> ]	16
Number of cores	4
With protective conductor	Yes
Colour outer sheath	Black
Nominal outer diameter [mm]	19
Conductor resistance at 20° C [Ohm/km]	1.91
Current carrying capacity in air [A]	80
Current carrying capacity in ground [A]	78
Cable weight [kg/km]	320
Min. bending radius during installation [mm]	220
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 4G16 RE 0,6/1 kV	4741532130303	Drum	1,000