

# AXPK-PLUS 1x800

Halogen free 1kV underground cable with aluminum conductors



## APPLICATION

Halogen free power cable with round, stranded and compacted aluminium conductor. For fixed installations indoors and outdoors. Suitable for cable ducts and house connections.

## CERTIFICATIONS AND DESIGN STANDARDS



**EN 60228**

**IEC 60502-1**

**HD 603-5D**

**EN 50575:2014/A1:2016**

**EN 60332-1-2**

Conductor standard

1 kV & 3 kV power cables with extruded insulation.

Distribution cables of rated voltage 0,6/1 kV

Cables for general applications in construction works subject to reaction to fire requirements

Vertical flame propagation for a single insulated wire or cable

Conductor material

Aluminium

Conductor surface

Bare

Core insulation material

XLPE

Material outer sheath

Halogenfree polymer

Max. conductor temperature [°C]

90

Resistant to UV

Yes

Permitted cable outer temperature during assembling/handling (min) [°C]

-20

Bending radius (rule)

15xD

Flame retardant

In accordance with EN/IEC 60332-1-2

Halogen free

Yes

Reaction-to-fire class (acc. EN 13501-6)

Eca

UV resistant

Yes

## PRODUCT PROPERTIES

Number of cores	1
Nominal cross section conductor [mm <sup>2</sup> ]	800
Conductor category	Class 2 = stranded
Shape of conductor	Round
With protective conductor	No
Colour outer sheath	Black
Nominal outer diameter [mm]	44
Cable weight [kg/km]	2,790
Min. bending radius during installation [mm]	660
Conductor resistance at 20° C [Ohm/km]	0.0367
Current carrying capacity [A]	699
Current carrying capacity in air [A]	
DOP number	1005955

Current load, flat installation method F, cable temperature 70°C, air temperature 25°C

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

Item name	EAN-code (GTIN)	Packaging type	Standard packaging quantity
AXPK-PLUS 1x800 1kV	4741532120069	Drum	500