

XPK 3G1,5

1kV power cable with copper conductors



APPLICATION

Power cable for fixed installation indoors, outdoors and underground, as well as in building structures e.g. directly in concrete (but not in sliding joints).

CERTIFICATIONS AND DESIGN STANDARDS



EN 60228

IEC 60502-1

EN 50575:2014/A1:2016

HD 308 S2

EN 60332-1-2

Conductor standard

1 kV & 3 kV power cables with extruded insulation.

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

Identification of cores in cables and flexible cords

Vertical flame propagation for a single insulated wire or cable

Conductor material

Copper

Conductor surface

Bare

Core insulation material

XLPE

Core identification (acc. HD 308 S2)

Yes

Material outer sheath

Polyvinyl chloride (PVC)

Max. conductor temperature [°C]

90

Max. conductor temperature at short circuit [°C]

250

Permitted cable outer temperature after assembling without vibration (min) [°C]

-35

Resistant to UV

Yes

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

-15

Bending radius (rule)

12xD

Flame retardant

In accordance with EN/IEC 60332-1-2

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

Eca

UV resistant

Yes

PRODUCT PROPERTIES

Conductor category	Class 1 = solid
Shape of conductor	Round
Nominal cross section conductor [mm ²]	1.5
Number of cores	3
With protective conductor	Yes
Colour outer sheath	Black
Nominal outer diameter [mm]	10
Conductor resistance at 20° C [Ohm/km]	12.1
Current carrying capacity in air [A]	27
Current carrying capacity in ground [A]	32
Cable weight [kg/km]	135
Min. bending radius during installation [mm]	120
DOP number	1004651

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
XPK 3G1,5 1kV T500	4741532120625	Drum	500
XPK 3G1,5 1kV T2000	4741532120618	Drum	2,000