

XPK 5G6

1kV halogen free 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 |

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|--|-------------------------------------|
| 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] | 6 |
| Number of cores | 5 |
| With protective conductor | Yes |
| Colour outer sheath | Black |
| Nominal outer diameter [mm] | 16 |
| Conductor resistance at 20° C [Ohm/km] | 3.08 |
| Current carrying capacity in air [A] | 56 |
| Current carrying capacity in ground [A] | 60 |
| Cable weight [kg/km] | 460 |
| Min. bending radius during installation [mm] | 190 |
| 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 |
|----------------------|-----------------|----------------|-----------------------------|
| XPB 5G6 1kV R100/800 | 4741532120793 | Coil | 100 |
| XPB 5G6 1kV T500 | 4741532120786 | Drum | 500 |