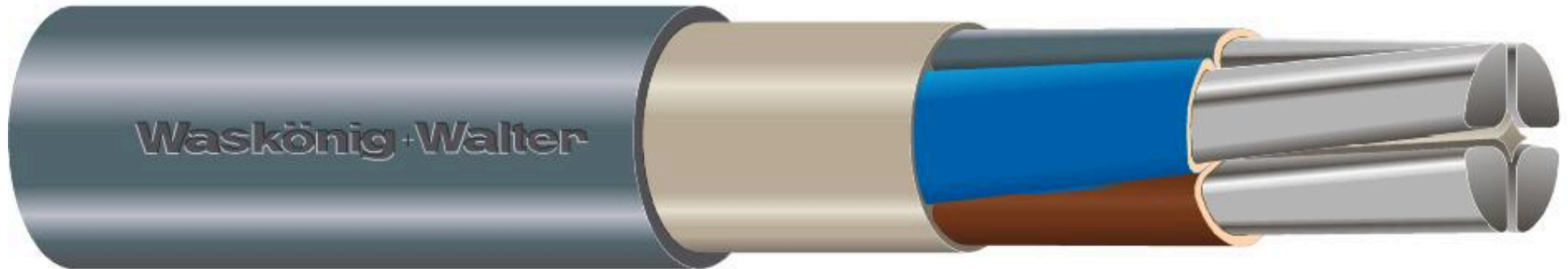


**Power cable**

Power cable, XLPE insulated, flexible copper conductor, halogen free, flame retardant

**N1XZ1-AL**

0.6/1 kV



based upon VDE0276-604.. For fixed installation indoors, in air and in concrete. These cables are also suitable for outdoor use, provided they are protected from direct sunlight. Laying in the ground or in water is not permitted.

| Characteristics             | Properties      | Unit |
|-----------------------------|-----------------|------|
| Conductor material          | Aluminium       |      |
| Conductor surface           | Bare            |      |
| Conductor category          | Class 1 = solid |      |
| Number of cores             | 4               | Stck |
| Core identification         | Colour          |      |
| Laminated sheath            | No              |      |
| Fibre optic elements        | No              |      |
| Protective conductor        | No              |      |
| Inner semi-conducting layer | No              |      |

| Characteristics  | Properties                          | Unit      |
|--|-------------------------------------|-----------|
| Outer semi-conducting layer  | No                                  |           |
| Screen   | No                                  |           |
| Concentric conductor   | None                                |           |
| Armouring  | No                                  |           |
| Material outer sheath  | Polyolefin                          |           |
| Specification material outer sheath                                  | Polyethylene (PE)                   |           |
| Colour outer sheath  | Grey                                |           |
| Conductive coating   | No                                  |           |
| Longitudinal water blocking screen                                   | No                                  |           |
| Reaction-to-fire according to EN 13501-6: Class                      | Eca                                 |           |
| Halogen free (acc. EN 60754-1/2)                                     | Yes                                 |           |
| Flame retardant  | In accordance with IEC/EN 60332-1-2 |           |
| Low smoke (acc. EN 61034-2)  | Yes                                 |           |
| Max. conductor temperature   | 90                                  | °C        |
| Permitted cable outer temperature during assembling/handling         | -5 <=> 70                           | °C        |
| Permitted cable outer temperature after assembling without vibration | -40 <=> 70                          | °C        |
| Nominal voltage U <sub>0</sub>                                       | 0.6                                 | kV        |
| Nominal voltage U  | 1                                   | kV        |
| max. short circuit temperature                                       | 250                                 | °C        |
| Insulation   | XLPE (VPE)                          |           |
| Minimum bending radius   | 12                                  | x Außen-Ø |
| Longitudinal water blocking conductors                               | Yes                                 |           |
| Paletteinheit  | 1,000                               | m         |
| Außendurchmesser   | 700                                 | mm        |
| Kerndurchmesser  | 325                                 | mm        |
| Höhe   | 576                                 | mm        |
| Bruttogewicht pro Paletteinheit                                      | 555.93                              | kg        |

| Product   |                                |                    |                   | Packaging  |                          |                    |
|---|--------------------------------|--------------------|-------------------|------------|--------------------------|--------------------|
| Nominal cross section conductor (in mm <sup>2</sup> ) | Outer diameter approx. (in mm) | Shape of conductor | Weight (in kg/km) | Packing    | Individual length (in m) | Net weight (in kg) |
| 16  | 18                             | Round              | 441.84            | Ring, Drum | Cut length               | 453                |
| 16  | 18                             | Round              | 441.84            | Drum       | 250                      | 113                |
| 25  | 22                             | Round              | 636.95            | Ring, Drum | Cut length               | 637                |
| 50  | 25                             | Sector-shaped      | 895.15            | Ring, Drum | Cut length               | 895                |
| 95  | 33                             | Sector-shaped      | 1,612             | Ring, Drum | Cut length               | 1,612              |
| 150   | 39                             | Sector-shaped      | 2,294.2           | Ring, Drum | Cut length               | 2,283              |