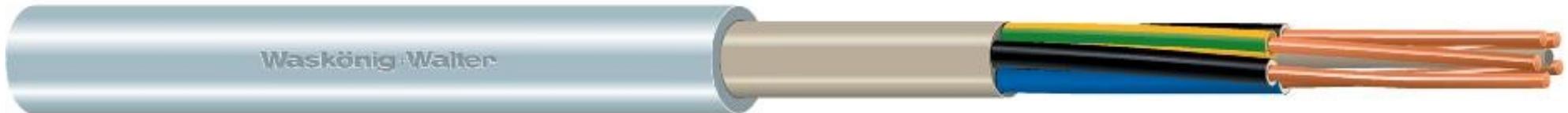


Power cable

Power cable, XLPE insulated, copper conductor, halogen free

N1XZ1

0.6/1 kV



based upon VDE0276-604 but with reduced wallthicknesses.. 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 | Copper | |
| Conductor surface | Bare | |
| Shape of conductor | Round | |
| Core identification according to HD 308 S2 | Yes | |
| Core identification | Colour | |
| Laminated sheath | No | |
| Fibre optic elements | No | |
| Inner semi-conducting layer | No | |
| Outer semi-conducting layer | No | |
| Screen | No | |
| Concentric conductor | None | |
| Armouring | No | |
| Material outer sheath | Polyolefin | |
| Specification material outer sheath | Polyethylene (PE) | |

| Characteristics | Properties | Unit |
|--|-------------------------------------|-----------|
| 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 U0 | 0.6 | kV |
| Nominal voltage U | 1 | kV |
| max. short circuit temperature | 250 | °C |
| Insulation | XLPE (VPE) | |
| Minimum bending radius | 8 | x Außen-Ø |

| Product | | | | | | | | Packaging | | | | | | |
|-----------------|--|--------------------|-----------------|--|--------------------------------|----------------------|-------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores | Nominal cross section conductor (in mm²) | Conductor category | Kerndurchmesser | Longitudinal water blocking conductors | Outer diameter approx. (in mm) | Protective conductor | Weight (in kg/km) | Packing | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 1 | 2.5 | Class 1 = solid | | Yes | 5 | Yes | 38.22 | Ring | 50 | | 493.49 | | 11,000 | 2 |
| 1 | 2.5 | Class 1 = solid | 200 | Yes | 5 | Yes | 38.22 | Ring | 100 | 285 | 579.07 | 61 | 13,000 | 4 |
| 1 | 6 | Class 1 = solid | | Yes | 7 | Yes | 78.41 | Ring, Drum | Cut length | | | | | 84 |
| 1 | 6 | Class 1 = solid | 200 | Yes | 7 | Yes | 78.41 | Ring | 100 | 350 | 529.14 | 53 | 6,000 | 8 |

| Product | | | | | | | | Packaging | | | | | | |
|-----------------|--|--------------------|-----------------|--|--------------------------------|----------------------|-------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores | Nominal cross section conductor (in mm²) | Conductor category | Kerndurchmesser | Longitudinal water blocking conductors | Outer diameter approx. (in mm) | Protective conductor | Weight (in kg/km) | Packing | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 1 | 10 | Class 2 = stranded | | No | 9 | Yes | 136.11 | Ring, Drum | Cut length | | | | | 144 |
| 1 | 16 | Class 2 = stranded | | No | 10 | Yes | 194.52 | Ring, Drum | Cut length | | | | | 203 |
| 1 | 16 | Class 2 = stranded | | | 10 | Yes | 194.52 | Ring, Drum | Cut length | | | | | 203 |
| 2 | 1.5 | Class 1 = solid | | Yes | 7 | No | 63.38 | Ring, Drum | Cut length | | | | | 70 |
| 2 | 1.5 | Class 1 = solid | 200 | | 7 | No | 63.38 | Ring | 100 | 370 | 528.1 | 54 | 7,200 | 7 |
| 2 | 1.5 | Class 1 = solid | 500 | | 7 | No | 63.38 | Drum | 4000 | 1,000 | 351.72 | 710 | 4,000 | 281 |
| 12 | 1.5 | Class 1 = solid | | | 14 | Yes | 270.2 | Ring, Drum | Cut length | | | | | 283 |
| 12 | 1.5 | Class 1 = solid | 200 | | 13 | Yes | 270.2 | Ring | 100 | 430 | 531.71 | 144 | 1,800 | 28 |