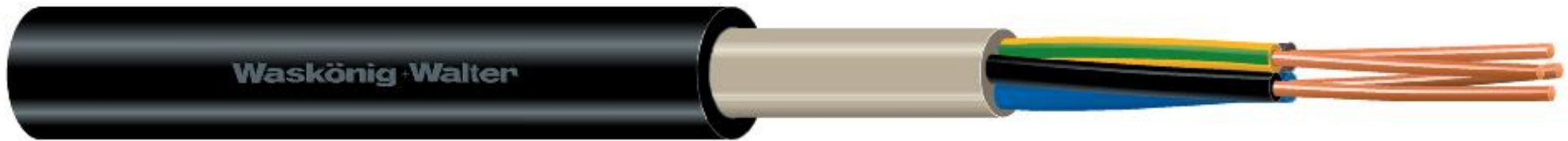


Power cable

N2XH-J Eca

Power cable, XLPE insulated, copper conductor, halogen-free, improved behaviour in case of fire

0.6/1 kV



| Characteristics | Properties | Unit |
|--|-------------------|------|
| Conductor material | Copper | |
| Conductor surface | Bare | |
| Shape of conductor | Round | |
| Core identification according to HD 308 S2 | Yes | |
| Laminated sheath | No | |
| Fibre optic elements | No | |
| Protective conductor | Yes | |
| 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) | |
| Colour outer sheath | Black | |

| Characteristics | Properties | Unit |
|--|--------------------------------------|------|
| 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 60332-3-24 | |
| Low smoke (acc. EN 61034-2) | Yes | |
| Max. conductor temperature | 90 | °C |
| Permitted cable outer temperature during assembling/handling | -5 <=> 70 | °C |
| Nominal voltage U ₀ | 0.6 | kV |
| Nominal voltage U | 1 | kV |
| max. short circuit temperature | 250 | °C |
| Insulation | XLPE (VPE) | |

| Product | | | | | | | | | | Packaging | | | | | | |
|---------------------------|---|--------------------|---------------------|-----------------|--|--|---------------------------------------|--------------------------------|-------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores (in Stck) | Nominal cross section conductor (in mm ²) | Conductor category | Core identification | Kerndurchmesser | Longitudinal water blocking conductors | Min. permitted bending radius, stationary application/permanent installation | Minimum bending radius (in x Außen-Ø) | Outer diameter approx. (in mm) | Weight (in kg/km) | Packing | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 1 | 6 | Class 2 = stranded | Colour | | No | | 12 | 7 | 91.95 | Ring, Drum | Cut length | | | | | 92 |
| 1 | 10 | Class 2 = stranded | Colour | | No | | 12 | 8 | 133.32 | Ring, Drum | Cut length | | | | | 133 |
| 1 | 16 | Class 2 = stranded | Colour | | No | | 15 | 9 | 197.43 | Ring, Drum | Cut length | | | | | 198 |
| 1 | 25 | Class 2 = stranded | Colour | | No | | 15 | 11 | 294.04 | Ring, Drum | Cut length | | | | | 295 |
| 1 | 35 | Class 2 = stranded | Colour | | No | | 15 | 12 | 387.28 | Ring, Drum | Cut length | | | | | 388 |
| 1 | 50 | Class 2 = stranded | Colour | | No | | 15 | 13 | 508.44 | Ring, Drum | Cut length | | | | | 509 |
| 1 | 70 | Class 2 = stranded | Colour | | No | | 15 | 15 | 721.26 | Ring, Drum | Cut length | | | | | 722 |

| Product | | | | | | | | | | Packaging | | | | | | |
|---------------------------|--|--------------------|---------------------|-----------------|--|--|---------------------------------------|--------------------------------|-------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores (in Stck) | Nominal cross section conductor (in mm²) | Conductor category | Core identification | Kerndurchmesser | Longitudinal water blocking conductors | Min. permitted bending radius, stationary application/permanent installation | Minimum bending radius (in x Außen-Ø) | Outer diameter approx. (in mm) | Weight (in kg/km) | Packing | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 3 | 1.5 | Class 2 = stranded | Colour | | No | | 12 | 9 | 128.07 | Ring, Drum | Cut length | | | | 129 | |
| 3 | 2.5 | Class 2 = stranded | Colour | | No | | 12 | 10 | 166.16 | Ring, Drum | Cut length | | | | 167 | |
| 3 | 4 | Class 2 = stranded | Colour | | No | | 12 | 11 | 215.37 | Ring, Drum | Cut length | | | | 216 | |
| 3 | 6 | Class 2 = stranded | Colour | | No | | 12 | 12 | 287.4 | Ring, Drum | Cut length | | | | 288 | |
| 3 | 10 | Class 2 = stranded | Colour | | No | | 12 | 14 | 426.47 | Ring, Drum | Cut length | | | | 426 | |
| 3 | 16 | Class 2 = stranded | Colour | | No | | 12 | 17 | 654.15 | Ring, Drum | Cut length | | | | 655 | |
| 3 | 25 | Class 2 = stranded | Colour | | No | | 12 | 20 | 992 | Ring, Drum | Cut length | | | | 994 | |
| 3 | 35 | Class 2 = stranded | Colour | | No | | 12 | 23 | 1,331.8 | Ring, Drum | Cut length | | | | 1,332 | |
| 4 | 1.5 | Class 2 = stranded | Colour | | No | | 12 | 10 | 149.43 | Ring, Drum | Cut length | | | | 150 | |
| 4 | 2.5 | Class 2 = stranded | Colour | | No | | 12 | 11 | 197.14 | Ring, Drum | Cut length | | | | 198 | |
| 4 | 2.5 | Class 2 = stranded | Colour | 315 | No | 132 | 12 | 11 | 197.14 | Drum | 1000 | 752 | 864.8 | 419 | 4,000 | 198 |
| 4 | 4 | Class 2 = stranded | Colour | | No | | 12 | 12 | 260.23 | Ring, Drum | Cut length | | | | 261 | |
| 4 | 6 | Class 2 = stranded | Colour | | No | | 12 | 13 | 357.24 | Ring, Drum | Cut length | | | | 358 | |
| 4 | 10 | Class 2 = stranded | Colour | | No | | 12 | 15 | 534.72 | Ring, Drum | Cut length | | | | 535 | |
| 4 | 16 | Class 2 = stranded | Colour | | No | | 12 | 19 | 821.86 | Ring, Drum | Cut length | | | | 823 | |
| 4 | 25 | Class 2 = stranded | Colour | | No | | 12 | 23 | 1,251.1 | Ring, Drum | Cut length | | | | 1,253 | |
| 4 | 35 | Class 2 = stranded | Colour | | No | | 12 | 26 | 1,683 | Ring, Drum | Cut length | | | | 1,685 | |
| 4 | 35 | Class 2 = stranded | Colour | 630 | No | 312 | 12 | 26 | 1,683 | Drum | 500 | 1,250 | 986.55 | 890 | 500 | 843 |
| 4 | 50 | Class 2 = stranded | Colour | | No | | 12 | 28 | 2,209.8 | Ring, Drum | Cut length | | | | 2,212 | |
| 4 | 50 | Class 2 = stranded | Colour | 630 | No | 336 | 12 | 28 | 2,209.8 | Drum | 500 | 1,250 | 1,250.1 | 890 | 500 | 1,106 |
| 4 | 70 | Class 2 = stranded | Colour | 630 | No | 408 | 12 | 34 | 3,159.4 | Drum | 250 | 1,250 | 934.63 | 890 | 250 | 791 |

| Product | | | | | | | | | | Packaging | | | | | | |
|---------------------------|--|--------------------|---------------------|-----------------|--|--|---------------------------------------|--------------------------------|-------------------|------------|--------------------------|------------------|---------------------------------|-------|---------------|--------------------|
| Number of cores (in Stck) | Nominal cross section conductor (in mm²) | Conductor category | Core identification | Kerndurchmesser | Longitudinal water blocking conductors | Min. permitted bending radius, stationary application/permanent installation | Minimum bending radius (in x Außen-Ø) | Outer diameter approx. (in mm) | Weight (in kg/km) | Packing | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 4 | 70 | Class 2 = stranded | Colour | 710 | No | 408 | 12 | 34 | 3,159.4 | Drum | 500 | 1,400 | 1,756.25 | 890 | 500 | 1,581 |
| 4 | 95 | Class 2 = stranded | Colour | 630 | No | 456 | 12 | 38 | 4,252.2 | Drum | 250 | 1,250 | 1,207.98 | 890 | 250 | 1,064 |
| 4 | 95 | Class 2 = stranded | Colour | 800 | No | 456 | 12 | 38 | 4,252.2 | Drum | 500 | 1,600 | 2,403.95 | 1,100 | 500 | 2,128 |
| 4 | 120 | Class 2 = stranded | Colour | | No | | 12 | 41 | 5,267.9 | Ring, Drum | Cut length | | | | | 5,271 |
| 4 | 185 | Class 2 = stranded | Colour | | No | | 12 | 52 | 8,156.2 | Ring, Drum | Cut length | | | | | 8,162 |
| 5 | 1.5 | Class 2 = stranded | Colour | | No | | 12 | 11 | 179.42 | Ring, Drum | Cut length | | | | | 180 |
| 5 | 1.5 | Class 2 = stranded | Colour | | No | 132 | 12 | 11 | 179.42 | Ring | 100 | | 779.56 | | 4,200 | 18 |
| 5 | 1.5 | Class 2 = stranded | Colour | 315 | No | 132 | 12 | 11 | 179.42 | Drum | 1000 | 752 | 794.16 | 419 | 4,000 | 180 |
| 5 | 2.5 | Class 2 = stranded | Colour | | No | | 12 | 12 | 237.96 | Ring, Drum | Cut length | | | | | 239 |
| 5 | 2.5 | Class 2 = stranded | Colour | | No | 144 | 12 | 12 | 237.96 | Ring | 100 | | 739.11 | | 3,000 | 24 |
| 5 | 4 | Class 2 = stranded | Colour | | No | | 12 | 13 | 316.16 | Ring, Drum | Cut length | | | | | 317 |
| 5 | 4 | Class 2 = stranded | Colour | 400 | No | 156 | 12 | 13 | 316.16 | Drum | 500 | 800 | 189.54 | 520 | 500 | 159 |
| 5 | 6 | Class 2 = stranded | Colour | | No | | 12 | 14 | 423.06 | Ring, Drum | Cut length | | | | | 424 |
| 5 | 10 | Class 2 = stranded | Colour | | No | | 12 | 17 | 640.4 | Ring, Drum | Cut length | | | | | 640 |
| 5 | 10 | Class 2 = stranded | Colour | 450 | No | 204 | 12 | 17 | 633.27 | Drum | 500 | 900 | 367.2 | 690 | 500 | 320 |
| 5 | 16 | Class 2 = stranded | Colour | | No | | 12 | 20 | 978.62 | Ring, Drum | Cut length | | | | | 980 |
| 5 | 25 | Class 2 = stranded | Colour | | No | | 12 | 25 | 1,519.7 | Ring, Drum | Cut length | | | | | 1,522 |
| 7 | 1.5 | Class 1 = solid | Colours and numbers | | Yes | | 12 | 12 | 211.78 | Ring, Drum | Cut length | | | | | 213 |
| 7 | 1.5 | Class 2 = stranded | Colour | 315 | No | 144 | 12 | 12 | 211.78 | Drum | 1000 | 752 | 923.52 | 419 | 4,000 | 213 |
| 7 | 2.5 | Class 1 = solid | Colours and numbers | | Yes | | 12 | 13 | 287.48 | Ring, Drum | Cut length | | | | | 288 |