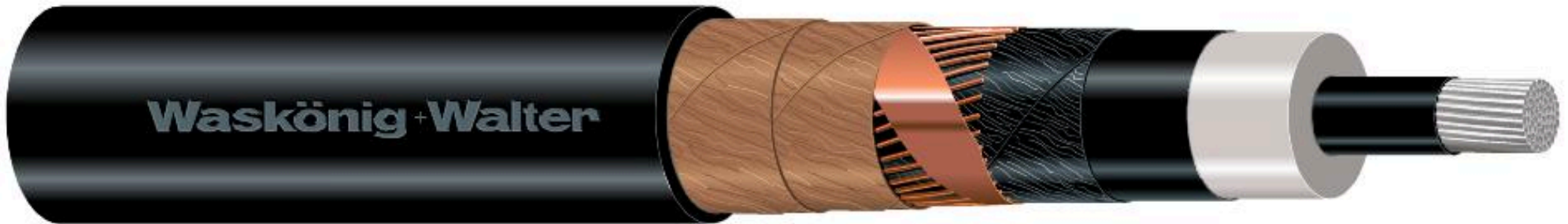


**Power cable**

Mittelspannungskabel, VPE-isoliert mit Al-Leiter, längswasserdichtem Schirm und PE-Mantel

**NA2XS(F)2Y 30kV**

18/30 kV



According to VDE 0276 part 620.

| Characteristics             | Properties         | Unit |
|-----------------------------|--------------------|------|
| Conductor material          | Aluminium          |      |
| Conductor surface           | Bare               |      |
| Conductor category          | Class 2 = stranded |      |
| Shape of conductor          | Round              |      |
| Number of cores             | 1                  | Stck |
| Core identification         | None               |      |
| Laminated sheath            | No                 |      |
| Fibre optic elements        | No                 |      |
| Protective conductor        | No                 |      |
| Inner semi-conducting layer | Yes                |      |
| Outer semi-conducting layer | Yes                |      |

| Characteristics  | Properties        | Unit      |
|--|-------------------|-----------|
| Screen   | Yes               |           |
| Concentric conductor   | None              |           |
| Armouring  | No                |           |
| Material outer sheath  | Polyolefin        |           |
| Specification material outer sheath                          | Polyethylene (PE) |           |
| Colour outer sheath  | Black             |           |
| Conductive coating   | No                |           |
| Longitudinal water blocking conductors                       | No                |           |
| Longitudinal water blocking screen                           | Yes               |           |
| Reaction-to-fire according to EN 13501-6: Class              | Fca               |           |
| Halogen free (acc. EN 60754-1/2)                             | Yes               |           |
| Flame retardant  | No                |           |
| Low smoke (acc. EN 61034-2)                                  | No                |           |
| Max. conductor temperature                                   | 90                | °C        |
| Permitted cable outer temperature during assembling/handling | -20 <=> 70        | °C        |
| Nominal voltage U0   | 18                | kV        |
| Nominal voltage U  | 30                | kV        |
| max. short circuit temperature                               | 250               | °C        |
| Insulation   | XLPE (VPE)        |           |
| Minimum bending radius                                       | 15                | x Außen-Ø |
| Nominal cross section concentric conductor                   | 25                | mm²       |
| Core identification according to HD 308 S2                   |                   |           |

| Product                                  |  |                                |                   | Packaging  |                          |                    |
|--|--|--------------------------------|-------------------|------------|--------------------------|--------------------|
| Nominal cross section conductor (in mm²) | Min. permitted bending radius, stationary application/permanent installation (in mm) | Outer diameter approx. (in mm) | Weight (in kg/km) | Packing    | Individual length (in m) | Net weight (in kg) |
| 50                                       | 525  | 34                             | 962.51            | Ring, Drum | Cut length               | 963                |

| Product  |   |                                   |                      | Packaging     |                             |                       |
|--|---|-----------------------------------|----------------------|---------------|-----------------------------|-----------------------|
| Nominal cross section conductor<br>(in mm <sup>2</sup> ) | Min. permitted bending radius, stationary application/permanent installation<br>(in mm) | Outer diameter approx.<br>(in mm) | Weight<br>(in kg/km) | Packing       | Individual length<br>(in m) | Net weight<br>(in kg) |
| 70   | 555   | 36                                | 1,068.9              | Ring,<br>Drum | Cut length                  | 1,069                 |
| 95   | 585   | 38                                | 1,218.6              | Ring,<br>Drum | Cut length                  | 1,219                 |
| 120  | 600   | 39                                | 1,333.7              | Ring,<br>Drum | Cut length                  | 1,334                 |
| 150  | 615   | 41                                | 1,512                | Ring,<br>Drum | Cut length                  | 1,512                 |
| 150  |   | 41                                | 1,534.8              | Ring,<br>Drum | Cut length                  | 1,535                 |
| 185  | 645   | 43                                | 1,676.4              | Ring,<br>Drum | Cut length                  | 1,676                 |
| 240  | 690   | 45                                | 1,899.9              | Ring,<br>Drum | Cut length                  | 1,900                 |
| 240  |   | 45                                | 1,925.1              | Ring,<br>Drum | Cut length                  | 1,899                 |
| 400  | 765   | 51                                | 2,569.7              | Ring,<br>Drum | Cut length                  | 2,570                 |
| 500  | 810   | 54                                | 2,943.2              | Ring,<br>Drum | Cut length                  | 2,943                 |