

Power cable

NA2XS(F)2Y (3x) 10kV

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

6/10 kV



According to VDE 0276 part 620.

| Characteristics | Properties | Unit |
|-----------------------------|------------|------|
| Conductor material | Aluminium | |
| Conductor surface | Bare | |
| Shape of conductor | Round | |
| Number of cores | 3 | |
| Core identification | None | |
| Laminated sheath | No | |
| Fibre optic elements | No | |
| Protective conductor | No | |
| Inner semi-conducting layer | Yes | |
| Outer semi-conducting layer | Yes | |
| Screen | Yes | |
| Concentric conductor | None | |

| Characteristics | Properties | Unit |
|--|-------------------|-----------|
| Armouring | No | |
| Material outer sheath | Polyolefin | |
| Specification material outer sheath | Polyethylene (PE) | |
| Colour outer sheath | Black | |
| Conductive coating | 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 U ₀ | 6 | kV |
| Nominal voltage U | 10 | kV |
| max. short circuit temperature | 250 | °C |
| Insulation | XLPE (VPE) | |
| Minimum bending radius | 15 | x Außen-Ø |
| Core identification according to HD 308 S2 | | |
| Cable geometry | | |
| Suitable as installation cable | | |
| Certified for shipboard application | | |
| Suitable as medium-voltage cable | | |
| Suitable as high-voltage cable | | |
| Certified as airport lighting cable | | |

| Product | | | | | | Packaging | | |
|--|--------------------|--|--|--------------------------------|----------------------|------------|--------------------------|--------------------|
| Nominal cross section conductor (in mm²) | Conductor category | Longitudinal water blocking conductors | Min. permitted bending radius, stationary application/permanent installation (in mm) | Outer diameter approx. (in mm) | Weight (in EU571166) | Packing | Individual length (in m) | Net weight (in kg) |
| 150 | Class 2 = stranded | No | 1,035 | 67 | 3,253.35 | Ring, Drum | Cut length | 3,259 |
| 185 | Class 2 = stranded | No | 1,110 | 71 | 3,672.3 | Ring, Drum | Cut length | 3,676 |
| 240 | Class 2 = stranded | No | 1,170 | 76 | 4,263.9 | Ring, Drum | Cut length | 4,267 |
| 240 | Class 1 = solid | Yes | 1,125 | 74 | 4,155 | Ring, Drum | Cut length | 4,174 |
| 500 | Class 2 = stranded | No | | 94 | 7,069.7 | Ring, Drum | Cut length | 7,076 |