

Power cable

NA2XS2Y (3x) 20kV

Medium-voltage cable, XLPE insulated, aluminum conductor, polyethylene outersheath

12/20 kV



According to VDE 0276 part 620.

| Characteristics | Properties | Unit |
|-------------------------------------|-------------------|------|
| Conductor material | Aluminium | |
| Conductor surface | Bare | |
| Shape of conductor | Round | |
| Number of cores | 3 | Stck |
| Core identification | None | |
| Laminated sheath | No | |
| Fibre optic elements | No | |
| Inner semi-conducting layer | Yes | |
| Outer semi-conducting layer | Yes | |
| Armouring | No | |
| Material outer sheath | Polyolefin | |
| Specification material outer sheath | Polyethylene (PE) | |

| Characteristics | Properties | Unit |
|--|------------|-----------------|
| Colour outer sheath | Black | |
| Conductive coating | No | |
| Longitudinal water blocking screen | No | |
| 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) | Yes | |
| Max. conductor temperature | 90 | °C |
| Permitted cable outer temperature during assembling/handling | -20 <=> 70 | °C |
| Nominal voltage U ₀ | 12 | kV |
| Nominal voltage U | 20 | kV |
| max. short circuit temperature | 250 | °C |
| Insulation | XLPE (VPE) | |
| Minimum bending radius | 15 | x Außen-Ø |
| Nominal cross section concentric conductor | 25 | mm ² |
| 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 mm ²) | Concentric conductor | Conductor category | Longitudinal water blocking conductors | Min. permitted bending radius, stationary application/permanent installation (in mm) | Outer diameter approx. (in mm) | Protective conductor | Screen | Weight (in kg/km) | Packing | Individual length (in m) | Net weight (in kg) |
| 120 | | Class 2 = stranded | No | | 74 | | | 3,253.8 | Ring, Drum | Cut length | 3,254 |
| 150 | | Class 2 = stranded | No | 1,170 | 76 | | | 3,810.1 | Ring, Drum | Cut length | 3,810 |
| 150 | None | Class 1 = solid | Yes | | 74 | No | Yes | 3,728 | Ring, Drum | Cut length | 3,747 |
| 185 | | Class 2 = stranded | No | | 80 | | | 4,266 | Ring, Drum | Cut length | 4,266 |
| 240 | | Class 2 = stranded | No | | 85 | | | 4,896.3 | Ring, Drum | Cut length | 4,896 |
| 400 | | Class 2 = stranded | No | 1,470 | 98 | | | 6,808.7 | Ring, Drum | Cut length | 6,809 |