| 3037568 | DATA SHEET | LAPP |
|---|---|---|
| valid from: 2022-08-26 | NA2XS(F)2Y | |

## Application

NA2XS(F)2Y are power cables with aluminium conductor for installation in water, in ground, outdoors, indoors and in cable trays for power stations, industry, and distribution networks. For installation in cable trays and indoors should be considered, that the PE-sheath is not flame retardant according to IEC 60332-1. Due to the mechanical durability of the PE-sheath, the cable is resistant to high mechanical stress during installation or operation. Because of the longitudinal water-tight wrapping, it is suitable for applications where water propagation inside the cable should be avoided.

## Design

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| Design | acc. to DIN VDE 0276-620 |
| Certification | The cable is marked with the ◁ VDE ▷ -sign or VDE-identification thread. |
| Conductor | multi-wire aluminium conductor acc. IEC 60228 resp. EN 60228 class 2 |
| Insulation | Inner layer: cross-linked, conductive inner layer<br>Core insulation: cross-linked polyethylene compound DIX 8 acc. to HD 620 S2<br>Outer layer: conductive layer extruded and welded with core insulation |
| Screen | Wrapping: longitudinally water-tight, conductive wrapping<br>Screen: braiding of copper wires with one or two cross conductive spiral<br>Wrapping: longitudinally water-tight, conductive wrapping |
| Outer sheath | PE compound type DMP 2 acc. to HD 620 S2<br>Sheath colour: black |

## Electrical properties at 20 °C

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| Nominal voltage | NA2XS(F)2Y 6/10kV: 6/10 kV<br>NA2XS(F)2Y 12/20kV: 12/20 kV<br>NA2XS(F)2Y 18/30kV: 18/30 kV |
| Operating voltage | NA2XS(F)2Y 6/10kV: max. 12 kV<br>NA2XS(F)2Y 12/20kV: max. 24 kV<br>NA2XS(F)2Y 18/30kV: max. 36 kV |
| Test voltage | NA2XS(F)2Y 6/10kV: 21 kV<br>NA2XS(F)2Y 12/20kV: 42 kV<br>NA2XS(F)2Y 18/30kV: 63 kV |

## Mechanical and thermal properties

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| Minimum bending radius | 15 x outer diameter |
| Temperature range | during installation: -20°C up to +50°C max. conductor temperature<br>fixed installation: -40°C up to +90°C max. conductor temperature |
| Halogen free | acc. to IEC 60754-1 resp. EN 60754-1 |

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| **Note** | Trade product, no Lapp product |