32702886	DATA SHEET	LAPP
valid from: 2021-10-20	NA2XS2Y	

Application

NA2XS2Y 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.

Design

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

Electrical properties at 20 °C

Nominal voltage	NA2XS2Y 6/10kV: 6/10 kV NA2XS2Y 12/20kV: 12/20 kV NA2XS2Y 18/30kV: 18/30 kV
Operating voltage	NA2XS2Y 6/10kV: max. 12 kV NA2XS2Y 12/20kV: max. 24 kV NA2XS2Y 18/30kV: max. 36 kV
Test voltage	NA2XS2Y 6/10kV: 21 kV NA2XS2Y 12/20kV: 42 kV NA2XS2Y 18/30kV: 63 kV

Mechanical and thermal properties

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

Note Trade product, no Lapp product