38107624	DATA SHEET	LAPP
valid from: 2022-08-26	NA2XS(FL)2Y	

Application

NA2XS(FL)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. The water blocking tape avoids water propagation inside the cable, while the resistant Al/PE-laminated sheathing acts as a cross water barrier.

Design

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 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: longitudinally water-tight, conductive wrapping Screen: braiding of copper wires with one or two cross conductive spiral Wrapping: longitudinally water-tight, conductive wrapping
Taping	Metal foil: crosswise water-tight aluminum foil firmly bonded with PE sheath
Outer sheath	PE compound type DMP 2 acc. to HD 620 S2 Sheath colour: black

Electrical properties at 20 °C

Nominal voltage	NA2XS(FL)2Y 6/10kV: 6/10 kV NA2XS(FL)2Y 12/20kV: 12/20 kV NA2XS(FL)2Y 18/30kV: 18/30 kV
Operating voltage	NA2XS(FL)2Y 6/10kV: max. 12 kV NA2XS(FL)2Y 12/20kV: max. 24 kV NA2XS(FL)2Y 18/30kV: max. 36 kV
Test voltage	NA2XS(FL)2Y 6/10kV: 21 kV NA2XS(FL)2Y 12/20kV: 42 kV NA2XS(FL)2Y 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