


3037523	DATA SHEET	
valid from: 2022-08-26	N2XSY	

Application

N2XSY are power cables for installation in ground, in water, indoors and in cable trays for power stations, industry, and distribution networks. According to VDE 0276-620 suitable for outdoor use if protected against direct sunlight and within the indicated operating temperature range. Due to its good laying properties the cable can be laid easily in difficult cable carrier systems.

Design

Design	acc. to DIN VDE 0276-620
Certification	The cable is marked with the <VDE>-sign or VDE-identification thread.
Conductor	multi-wire, bare copper 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	PVC compound type DMV 6 acc. to HD 620 S2 Sheath colour: red

Electrical properties at 20 °C

Nominal voltage	N2XSY 6/10kV: 6/10 kV N2XSY 12/20kV: 12/20 kV N2XSY 18/30kV: 18/30 kV
Operating voltage	N2XSY 6/10kV: max. 12 kV N2XSY 12/20kV: max. 24 kV N2XSY 18/30kV: max. 36 kV
Test voltage	N2XSY 6/10kV: 21 kV N2XSY 12/20kV: 42 kV N2XSY 18/30kV: 63 kV

Mechanical and thermal properties

Minimum bending radius	15 x outer diameter
Temperature range	during installation: -5 °C up to +50 °C max. conductor temperature fixed installation: -40 °C up to +90 °C max. conductor temperature

Note	Trade product, no Lapp product
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AbN
automation

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