


38107811	DATA SHEET	
valid from: 2021-10-20	N2XS(F)2Y	

Application

N2XS(F)2Y are power cables 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

Design	acc. to DIN VDE 0276-620
Certification	The cable is marked with the \triangleleft VDE \triangleright HAR-sign or HAR-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: longitudinally water-tight, conductive wrapping Screen: braiding of copper wires with one or two cross conductive spiral Wrapping: longitudinally water-tight, conductive wrapping
Outer sheath	PE compound type DMP 2 acc. to HD 620 S2 Sheath colour: black

Electrical properties at 20 °C

Nominal voltage	N2XS(F)2Y 6/10kV: 6/10 kV N2XS(F)2Y 12/20kV: 12/20 kV N2XS(F)2Y 18/30kV: 18/30 kV
Operating voltage	N2XS(F)2Y 6/10kV: max. 12 kV N2XS(F)2Y 12/20kV: max. 24 kV N2XS(F)2Y 18/30kV: max. 36 kV
Test voltage	N2XS(F)2Y 6/10kV: 21 kV N2XS(F)2Y 12/20kV: 42 kV N2XS(F)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

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