

# N2XS(F)2Y

DB35002757

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## 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

acc. to DIN VDE 0276-620

Conductor	multi-wire, bare copper conductor acc. IEC 60228 resp. EN 60228 (VDE 0295), class 2
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
Wrapping	longitudinal water-tight, conductive wrapping
Screen	braiding of copper wires with one or two cross conductive spiral
Wrapping	longitudinal water-tight wrapping
Outer sheath	PE compound type DMP 2 acc. to HD 620 S2
Sheath colour	black

## Electrical properties

	N2XS(F)2Y 6/10kV	N2XS(F)2Y 12/20kV	N2XS(F)2Y 18/30kV
Nominal voltage $U_0/U$	6/10kV	12/20kV	18/30kV
Max. operation voltage	12kV	24kV	36kV
Test voltage	15kV	30kV	45kV

## Mechanical and thermal properties

Min. bending radius	15 x outer diameter		
Temperature range	during installation:	-20°C up to +50°C	
	fixed installation:	-40°C up to +90°C max. conductor temperature	

The cable is characterized with the <VDE> -sign or VDE-identification thread.

EU-Directives These cables are conform to the EU-Directives 2014/35/EU (Low Voltage Directive), and 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).



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