

1550556	DATA SHEET	
valid from: 2026-06-16	N2XH	

Application

N2XH are halogen free, highly flame retardant power cables for installation indoors, in the air or concrete. For outdoor use the cable should be protected against sunlight and the temperature range should be considered. Not intended for direct-buried installations or in water. Strains of more than 15 N/mm² are not allowed.

Application range:

Especially for use in power stations, in transformer stations and for power supply and particularly where human life as well as valuable property are exposed to high risk of fire hazards.

Design

Design	acc. to VDE 0276-604
Certification	The cable is marked with the <VDE> -sign or VDE-identification thread.
	Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see www.lappkabel.com/cpr)
Conductor	single or multi-wire, bare copper wire conductor acc. to IEC 60228 resp. EN IEC 60228, class 1 or 2
Insulation	irradiated Polyethylene compound 2X11 acc. to VDE 0276-604
Core identification code	colour-coded acc. to VDE 0293-308
Outer sheath	halogen free, thermoplastic Polyolefin-compound HM4 acc. to VDE 0276-604 colour: black

Electrical properties at 20 °C

Nominal voltage	U ₀ /U: 600/1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Minimum bending radius	single core: 15 x outer diameter multi core: 12 x outer diameter
Temperature range	During installation: -5 °C up to + 90 °C Fixed installation: -40 °C up to +90 °C max. conductor temperature
Flammability	flame retardant acc. to EN 60332-1-2 resp. IEC 60332-1-2 No Flame propagation acc. IEC 60332-3-24 resp. EN IEC 60332-3-24
Halogen free	acc. to IEC 60754-1 resp. EN 60754-1
Corrosivity of gases	acc. to IEC 60754-2 resp. EN 60754-2
Smoke density	acc. to IEC 61034-2 resp. EN 61034-2
Ozone resistance	acc. to EN 50396

Tests acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396

General requirements These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)
These cables (see www.lappkabel.com/cpr) are classified
in accordance with the EU-Regulation no. 305/2011 (CPR).

Environmental information These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

Note Trade product, no LAPP product

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