Nexans - N2XSH 18/30 (36)kV Cable - 50mm² to 630mm²

Description

Medium voltage LSZH power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. The N2XSH cable from Nexans is suitable for internal and external installation. The Low Smoke Zero Halogen outer sheath is suitable for applications where there is a risk to life and equipment from dangerous fumes. Cables can be fixed on cable trays, within conduits or fixed to walls and are suitable for burial in ducts. The LSZH outer sheath is UV resistant.

Key Features

Voltage Rating
18/30 (36)kV

Minimum Bending Radius
15 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Temperature Range: -20°C to +60°C
Conductor Operating Temperature: +90°C
Short Circuit Temperature up to 5 sec: 250°C

Standards

- IEC 60502-02
- BS EN/IEC 60332-1-2 & BS EN/IEC 60332-3-24
- BS EN/IEC 60228
- IEC/EN 60754-1/2
- IEC/EN 61034-1/2,
- UV Resistant: ISO 4892-3

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Conductor Screen**: Semi-Conductive material
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Insulation Screen**: Semi-conductive material (bonded)
- **Screen**: Copper wires and copper tape
- **Outer Sheath**: Low Smoke Zero Halogen (LSZH)
- **Sheath Colour**: Red or Black

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

Nexans - N2XSH 18/30 (36)kV Cable - 50mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	Nominal Conductor Diameter	Insulation Thickness (mm)	CWS(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
18/30N2XSH1X50	50	8.4	7.5	RM/16	1.95	32.4	1220
18/30N2XSH1X70	70	10.0	7.5	RM/16	2.0	33.6	1525
18/30N2XSH1X95	95	11.5	7.5	RM/16	2.0	35.0	1825
18/30N2XSH1X120	120	13.0	7.5	RM/16	2.1	36.0	2040
18/30N2XSH1X150	150	15.0	8.0	RM/25	2.1	38.0	2035
18/30N2XSH1X185	185	16.3	8.0	RM/25	2.2	40.5	2800
18/30N2XSH1X240	240	19.0	8.0	RM/25	2.3	43.2	3550
18/30N2XSH1X300	300	21.4	8.0	RM/25	2.4	45.0	4075
18/30N2XSH1X400	400	24.0	8.2	RM/35	2.5	48.5	5075
18/30N2XSH1X500	500	27.0	8.2	RM/35	2.6	52.0	6080
18/30N2XSH1X630	630	30.5	8.2	RM/35	2.7	56.0	7595

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