

N2XS(FL)H 24kV Power Cable - 35mm² to 630mm²



Description

The N2XS(FL)H 24kV Power Cable is a specialized medium-voltage cable designed for secure electricity transmission in environments requiring high fire safety and protection against water ingress. The name itself serves as a technical breakdown of its construction: N indicates it follows VDE standards, 2X signifies cross-linked polyethylene (XLPE) insulation, S refers to its copper wire screen, (FL) highlights both longitudinal and radial water-blocking capabilities, and H stands for its Low Smoke Zero Halogen (LSZH) UV resistant outer sheath

Key Features



Voltage Rating
12/20 (24)kV



Minimum Bending Radius
15 x Overall Diameter



Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3-22 Cat A



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

Standards

- BS EN/IEC 60332-3-24 (cat C)
- IEC/EN 61034-1/2,
- IEC/EN 60754-1/2
- BS EN/IEC 60332-1-2

Construction

- **Conductor:** Class 2 stranded copper
- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi-conductive material (bonded)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Metallic Screen:** Copper Wires plus Copper tape
- **Longitudinal Water Blocking:** Swellable tapes
- **Radial Water Blocking:** Aluminium/Polyester (AL/PET) tape bonded to sheath
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Red or Black

QA Lab

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. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



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

ecovadis

N2XS(FL)H 24kV Power Cable - 35mm² to 630mm² - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
22KVN2XSFLH1X35	35	1	27	1100
22KVN2XSFLH1X50	50	1	28	1250
22KVN2XSFLH1X70	70	1	30	1500
22KVN2XSFLH1X95	95	1	32	1800
22KVN2XSFLH1X120	120	1	33	2000
22KVN2XSFLH1X150	150	1	35	2400
22KVN2XSFLH1X185	185	1	36	2800
22KVN2XSFLH1X240	240	1	38	3400
22KVN2XSFLH1X300	300	1	41	4100
22KVN2XSFLH1X400	400	1	43	5000
22KVN2XSFLH1X500	500	1	46	6100
22KVN2XSFLH1X630	630	1	51	7400

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