

# N2XS(FL)H 18/30 (36)kV Cable - 50mm<sup>2</sup> to 630mm<sup>2</sup>

## Description

Medium voltage LSZH power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS(FL)2H cable is suitable for external installation. Cables can be fixed on cable trays, within conduits or fixed to walls and is suitable for burial in ducts. The cable has a UV Resistant outer sheath and three water blocking layers to make it water resistant

## Key Features



**Voltage Rating**  
18/30 (36)kV



**Minimum Bending Radius**  
15 x Overall Diameter



**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 60332-3-24 Cat C
- UV Resistant: EN 50396
- IEC 60754-1
- IEC 60754-2
- BS EN 60332-1-2
- IEC 60228
- IEC 60502-2
- IEC 60332-1-2

## Construction

- **Conductor:** Class 2 stranded copper conductor
- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi-conductive material (bonded)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Screen:** Copper wires and copper tape
- **Water Blocking:** Al/PET (Aluminium/Polyester) 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



## N2XS(FL)H 18/30 (36)kV Cable - 50mm<sup>2</sup> to 630mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	Nominal Conductor Diameter	Insulation Thickness (mm)	CWS(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
18/30N2XS(FL)H1X 50	50	8.7	7.0	RM/16	1.8	32.5	1430
18/30N2XS(FL)H1X 70	70	10.0	7.0	RM/16	1.9	34.5	1625
18/30N2XS(FL)H1X 95	95	12.0	7.0	RM/16	2.0	36.0	1930
18/30N2XS(FL)H1X 120	120	13.3	7.5	RM/16	2.1	37.5	2295
18/30N2XS(FL)H1X 150	150	15.0	7.5	RM/25	2.2	39.0	2795
18/30N2XS(FL)H1X 185	185	16.5	7.5	RM/25	2.2	40.5	3060
18/30N2XS(FL)H1X 240	240	19.0	7.5	RM/25	2.3	44.0	3820
18/30N2XS(FL)H1X 300	300	21.0	8.0	RM/25	2.4	47.0	4340

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