# N2XS(FL)2Y 18/30 (36)kV Cable - 50mm² to 630mm²

## Description

Medium voltage MDPE power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS(FL)2Y 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 60332-1-2
- UV Resistant: ISO 4892-3
- 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)
- **Longditudinal Waterblocking**: Semi-conductive swellable tape
- **Screen**: Copper wires and copper tape
- **Tape**: Longditudinal Water Blocking Tape
- **Water Blocking**: Al/PET (Aluminium/Polyester) Tape bonded to sheath
- **Outer Sheath**: Medium Density Polyethylene (MDPE)
- **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

## N2XS(FL)2Y 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) |
|---|---|---|---|---|---|---|---|
| 18/30N2XS(FL)2Y1X50 | 50 | 8.5 | 7.5 | RM/16 | 1.9 | 32.0 | 1325 |
| 18/30N2XS(FL)2Y1X70 | 70 | 10.0 | 7.5 | RM/16 | 1.9 | 34.0 | 1530 |
| 18/30N2XS(FL)2Y1X95 | 95 | 11.5 | 7.5 | RM/16 | 2.0 | 36.5 | 1930 |
| 18/30N2XS(FL)2Y1X120 | 120 | 13.0 | 7.5 | RM/16 | 2.1 | 37.5 | 2295 |
| 18/30N2XS(FL)2Y1X150 | 150 | 15.0 | 8.0 | RM/25 | 2.2 | 39.5 | 2550 |
| 18/30N2XS(FL)2Y1X185 | 185 | 17.0 | 8.0 | RM/25 | 2.2 | 41.0 | 3065 |
| 18/30N2XS(FL)2Y1X240 | 240 | 19.0 | 8.0 | RM/25 | 2.3 | 44.0 | 3595 |
| 18/30N2XS(FL)2Y1X300 | 300 | 21.0 | 8.5 | RM/25 | 2.4 | 46.5 | 4300 |
| 18/30N2XS(FL)2Y1X400 | 400 | 24.0 | 8.5 | RM/35 | 2.5 | 49.5 | 5295 |
| 18/30N2XS(FL)2Y1X500 | 500 | 27.0 | 8.5 | RM/35 | 2.6 | 53.0 | 6320 |
| 18/30N2XS(FL)2Y1X630 | 630 | 30.5 | 8.5 | RM/35 | 2.75 | 57.0 | 7330 |

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