

## Nexans - NA2XS(FL)H 18/30 (36)kV Cable - 50mm<sup>2</sup> to 630mm<sup>2</sup>



## Description

Medium voltage power cables with aluminium conductor for distribution networks. This cable is used extensively in the renewables and datacentre sectors. NA2XS(FL)H cable from Nexans is suitable for external installation. Cables can be fixed on cable trays, within conduits or fixed to walls and are suitable for burial in ducts. The cable has two longitudinal waterblocking layers, a radial waterblocking layer and a UV resistant LSZH outer sheath.

## Key Features



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

## Core Colours

Sheath Colour: Red or Black

## Standards

- BS EN/IEC 60332-3-24 (cat C)
- IEC 60502-2
- IEC 60228
- IEC 61034-1
- BS EN/IEC 60332-1-2
- IEC 60754-1 & IEC 60754-2

## Construction

- **Conductor:** Class 2 Stranded Aluminium Conductor
- **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
- **Water Blocking:** Longitudinal Waterblocking Swellable Tapes
- **Longitudinal Water Blocking:** Swellable tapes
- **Radial Water Blocking:** Aluminium/Polyester (AL/PET) tape bonded to sheath
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)

## 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

Nexans - NA2XS(FL)H 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) |
|-----------------------|----------------------|----------------------------|---------------------------|---------|-----------------------|----------------------|---------------|
| 18/30NA2XS(FL)H1 X50  | 50                   | 8.5                        | 7.5                       | RM/16   | 1.8                   | 32.0                 | 1135          |
| 18/30NA2XS(FL)H1 X70  | 70                   | 10.0                       | 7.5                       | RM/16   | 2.0                   | 34.0                 | 1245          |
| 18/30NA2XS(FL)H1 X95  | 95                   | 11.5                       | 7.5                       | RM/16   | 2.0                   | 36.0                 | 1350          |
| 18/30NA2XS(FL)H1 X120 | 120                  | 13.0                       | 7.5                       | RM/16   | 2.1                   | 37.5                 | 1455          |
| 18/30NA2XS(FL)H1 X150 | 150                  | 14.5                       | 8.0                       | RM/25   | 2.2                   | 39.5                 | 1760          |
| 18/30NA2XS(FL)H1 X185 | 185                  | 16.0                       | 8.0                       | RM/25   | 2.3                   | 41.5                 | 1865          |
| 18/30NA2XS(FL)H1 X240 | 240                  | 18.5                       | 8.0                       | RM/25   | 2.4                   | 43.5                 | 2315          |
| 18/30NA2XS(FL)H1 X300 | 300                  | 21.0                       | 8.0                       | RM/25   | 2.4                   | 47.0                 | 2570          |
| 18/30NA2XS(FL)H1 X400 | 400                  | 24.0                       | 8.5                       | RM/35   | 2.6                   | 49.5                 | 2830          |
| 18/30NA2XS(FL)H1 X500 | 500                  | 26.5                       | 8.5                       | RM/35   | 2.7                   | 53.0                 | 3340          |
| 18/30NA2XS(FL)H1 X630 | 630                  | 30.5                       | 8.5                       | RM/35   | 2.8                   | 56.5                 | 3850          |

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