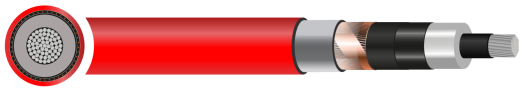
NA2XS(FL)H 18/30 (36)kV Cable - 50mm² to 630mm²



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 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 two longditudinal 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)
- **Longditudinal Waterblocking**: Semi-conductive swellable tape
- **Metallic Screen**: Copper Wires plus Copper tape
- **Waterblocking Tape**: Longitudinal Waterblocking Swellable Tapes
- **Longditudinal Water Blocking**: Swellable tapes
- **Radial Water Blocking**: (Aluminium/Polyester) 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

NA2XS(FL)H 18/30 (36)kV Cable - 50mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
18/30NA2XS(FL)H1X50	50	7.5	1.8	8.5	RM/16	32.0	1135
18/30NA2XS(FL)H1X70	70	7.5	2.0	10.0	RM/16	34.0	1245
18/30NA2XS(FL)H1X95	95	7.5	2.0	11.5	RM/16	36.0	1350
18/30NA2XS(FL)H1X120	120	7.5	2.1	13.0	RM/16	37.5	1455
18/30NA2XS(FL)H1X150	150	8.0	2.2	14.5	RM/25	39.5	1760
18/30NA2XS(FL)H1X185	185	8.0	2.3	16.0	RM/25	41.5	1865
18/30NA2XS(FL)H1X240	240	8.0	2.4	18.5	RM/25	43.5	2315
18/30NA2XS(FL)H1X300	300	8.0	2.4	21.0	RM/25	47.0	2570
18/30NA2XS(FL)H1X400	400	8.5	2.6	24.0	RM/35	49.5	2830
18/30NA2XS(FL)H1X500	500	8.5	2.7	26.5	RM/35	53.0	3340
18/30NA2XS(FL)H1X630	630	8.5	2.8	30.5	RM/35	56.5	3850