

## NA2XS(FL)2Y 18/30 (36)kV AL, MDPE 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)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 two longitudinal waterblocking layers and a radial waterblocking aluminium tape which is bonded to a UV Resistant MDPE outer sheath. Available in both AD7 and AD8 variants. This cable is suitable for direct burial.

### Key Features



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



**Minimum Bending Radius**  
15 x Overall Diameter



**Flame Retardancy**  
BS EN/IEC 60332-1-2



**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

### 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:** Swellable tapes
- **Metallic Screen:** Copper Wires plus Copper tape
- **Water Blocking:** Al/PET (Aluminium/Polyester) Tape bonded to sheath
- **Outer Sheath:** Medium Density Polyethylene (MDPE)
- **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



## NA2XS(FL)2Y 18/30 (36)kV AL, MDPE 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)
18/30NA2XS(FL)2Y 1X50	50	8.5	7.5	RM/16	2.0	32.0	1050
18/30NA2XS(FL)2Y 1X70	70	10.0	7.5	RM/16	2.1	34.5	1150
18/30NA2XS(FL)2Y 1X95	95	11.5	7.5	RM/16	2.1	36.0	1350
18/30NA2XS(FL)2Y 1X120	120	13.0	8.0	RM/16	2.2	38.0	1455
18/30NA2XS(FL)2Y 1X150	150	14.5	8.0	RM/25	2.2	39.5	1665
18/30NA2XS(FL)2Y 1X185	185	16.0	8.0	RM/25	2.3	41.5	1875
18/30NA2XS(FL)2Y 1X240	240	18.5	8.0	RM/25	2.4	43.5	2080
18/30NA2XS(FL)2Y 1X300	300	21.0	8.0	RM/25	2.5	46.0	2325
18/30NA2XS(FL)2Y 1X400	400	24.0	8.5	RM/35	2.5	50.0	2825
18/30NA2XS(FL)2Y 1X500	500	26.5	8.5	RM/35	2.6	52.5	3335
18/30NA2XS(FL)2Y 1X630	630	30.5	8.5	RM/35	2.7	56.0	3850

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