NA2XS(FL)2Y XLPE MDPE 8.7/15 (17.5)kV Cable - 50mm² to 1000mm²



Description

Medium voltage power cables with an **aluminium conductor**, designed for use in electrical distribution networks. **NA2XS(FL)2Y cable** is widely used across the **renewable energy and data centre sectors** and is suitable for external installations.

The cable can be installed on **cable trays, within conduits, fixed to walls or buried in ducts**. It features **two longitudinal water-blocking layers** and a radial water-blocking aluminium tape bonded to a **UV-resistant MDPE outer sheath**, providing additional protection against moisture and demanding environmental conditions.

Key Features

Voltage Rating
8.7/15 (18) kV

Minimum Bending Radius
15 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Ambient Temperature: -20 to +70°C
Maximum conductor operating temperature: +90°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 XLPE
- **Longditudinal Waterblocking**: Swellable tapes
- **Metallic Screen**: Copper Wires plus Copper tape
- **Tape**: Longditudinal Water Blocking Tape
- **Radial Water Blocking**: Aluminium/Polyester (AL/PET) tape bonded to sheath
- **Outer Sheath**: Medium Density Polyethylene (MDPE)
- **Sheath Colour**: 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
UKAS TESTING 31196

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 XLPE MDPE 8.7/15 (17.5)kV Cable - 50mm² to 1000mm² - Dimensions

Reference	Conductor Size (mm2)	Nominal Conductor Diameter	Insulation Thickness (mm)	CWS(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
8/15NA2XS(FL)2Y1X50	50	8.5	4.0	RM/16	2.0	29.0	795
8/15NA2XS(FL)2Y1X70	70	10.0	4.0	RM/25	2.0	30.0	975
8/15NA2XS(FL)2Y1X95	95	11.5	4.0	RM/25	2.0	32.0	1195
8/15NA2XS(FL)2Y1X120	120	13.0	4.0	RM/50	2.0	33.5	1435
8/15NA2XS(FL)2Y1X150	150	14.5	4.5	RM/50	2.0	35.0	1565
8/15NA2XS(FL)2Y1X185	185	16.0	4.5	RM/50	2.0	36.5	1710
8/15NA2XS(FL)2Y1X240	240	18.0	4.5	RM/50	2.2	38.5	1910
8/15NA2XS(FL)2Y1X300	300	20.5	4.5	RM/50	2.2	40.5	2150
8/15NA2XS(FL)2Y1X400	400	23.0	4.5	RM/50	2.2	43.5	2455
8/15NA2XS(FL)2Y1X500	500	26.0	5.0	RM/50	2.4	47.0	2875
8/15NA2XS(FL)2Y1X630	630	30.0	5.0	RM/50	2.5	51.5	3365
8/15NA2XS(FL)2Y1X800	800	34.0	5.0	RM/50	2.6	56.0	3995
8/15NA2XS(FL)2Y1X1000	1000	39.0	5.0	RM/50	2.8	61.0	4745

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.