NA2XS(FL)2Y XLPE MDPE 12/20 24)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)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 longditudinal 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
12/20 (24)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

- IEC 60502-2
- UV Resistant: ISO 4892-3
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228

Construction

- **Conductor**: Class 2 Stranded Aluminium Conductor
- **Conductor Screen**: Semi-Conductive material
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Longditudinal 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 XLPE MDPE 12/20 24)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)
NA2XS(FL)2Y1X50 24KV	50	8.25	5.0	RM/16	1.8	28	760
NA2XS(FL)2Y1X70 24KV	70	9.8	5.0	RM/16	1.8	30	920
NA2XS(FL)2Y1X95 24KV	95	11.5	5.0	RM/16	1.9	31.5	1015
NA2XS(FL)2Y1X12 024KV	120	12.75	5.0	RM/16	2.0	32.5	1125
NA2XS(FL)2Y1X15 024KV	150	14.5	5.0	RM/25	2.10	35.0	1325
NA2XS(FL)2Y1X18 524KV	185	16.0	5.0	RM/25	2.10	37.0	1550
NA2XS(FL)2Y1X24 024KV	240	18.5	5.0	RM/25	2.15	39.5	1750
NA2XS(FL)2Y1X30 024KV	300	21.0	5.0	RM/25	2.25	42.0	2000
NA2XS(FL)2Y1X40 024KV	400	24.0	5.50	RM/35	2.3	45.0	2540
NA2XS(FL)2Y1X50 024KV	500	27.0	5.50	RM/35	2.4	47.5	2775
NA2XS(FL)2Y1X63 024KV	630	31.0	5.50	RM/35	2.5	52.0	3250

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