NA2XSY 12/20 (24)kV Cable AL, PVC - 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. NA2XSY 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.

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

Construction

- **Conductor**: Class 2 Stranded Aluminium Conductor
- **Conductor Screen**: Semi-Conductive material
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Insulation Screen**: Semi-conductive material (bonded)
- **Metallic Screen**: Copper Wires plus Copper tape
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Red

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

NA2XSY 12/20 (24)kV Cable AL, PVC - 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)
12/20NA2XSY1X50	50	8.5	5.0	RM/16	1.7	27.0	725
12/20NA2XSY1X70	70	10.0	5.0	RM/16	1.8	28.5	825
12/20NA2XSY1X95	95	11.7	5.1	RM/16	1.8	30.0	930
12/20NA2XSY1X120	120	13.0	5.1	RM/16	1.9	31.5	1030
12/20NA2XSY1X150	150	14.6	5.3	RM/25	2.0	34.0	1335
12/20NA2XSY1X185	185	16.0	5.4	RM/25	2.1	36.0	1435
12/20NA2XSY1X240	240	18.5	5.4	RM/25	2.2	38.5	1638
12/20NA2XSY1X300	300	20.7	5.5	RM/25	2.2	41.0	1945
12/20NA2XSY1X400	400	23.5	5.5	RM/35	2.3	44.0	2275
12/20NA2XSY1X500	500	26.4	5.6	RM/35	2.4	46.5	2815
12/20NA2XSY1X630	630	30.5	5.6	RM/35	2.5	52.0	3320

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