NA2XS(FL)H 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)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
12/20 (24)kV

Minimum Bending Radius
15 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

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/IEC 60332-3-24 (cat C)
- IEC 60502-2
- IEC 60228
- IEC 60754-2
- IEC 60754-1
- IEC 61034-2
- UV Resistant: EN 50396
- 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)
- **Longditudinal Waterblocking**: Semi-conductive swellable tape
- **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**: Low Smoke Zero Halogen (LSZH)
- **Sheath Colour**: Red or 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

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 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)
10/12NA2XS(FL)H1X50	50	8.5	5.0	RM/16	1.7	27.5	835
10/12NA2XS(FL)H1X70	70	10.0	5.0	RM/16	1.8	29.0	940
10/12NA2XS(FL)H1X95	95	11.5	5.2	RM/16	1.9	31.0	1150
10/12NA2XS(FL)H1X120	120	13.0	5.2	RM/16	2.0	32.5	1250
10/12NA2XS(FL)H1X150	150	14.5	5.4	RM/25	2.1	34.5	1460
10/12NA2XS(FL)H1X185	185	16.0	5.4	RM/25	2.1	36.0	1670
10/12NA2XS(FL)H1X240	240	18.5	5.4	RM/25	2.2	38.5	1875
10/12NA2XS(FL)H1X300	300	21.0	5.5	RM/25	2.3	41.5	2075
10/12NA2XS(FL)H1X400	400	24.0	5.5	RM/35	2.4	44.5	2575
10/12NA2XS(FL)H1X500	500	26.5	5.5	RM/35	2.5	48.0	3085
10/12NA2XS(FL)H1X630	630	30.5.	5.5	RM/35	2.6	52.0	3595

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