

NA2XS(F)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(F)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 waterblocking layers and a UV Resistant Low Smoke, Zero Halogen (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
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 60332-1-2
- BS EN 60332-3-24 Cat C
- UV Resistant: EN 50396
- 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:** Semi-conductive swellable tape
- **Screen:** Copper wires and copper tape
- **Metallic Screen:** Copper Wires plus Copper tape
- **Tape:** Longitudinal Water Blocking Tape
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **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

ecovadis

NA2XS(F)H 12/20 (24)kV Cable - 50mm² to 630mm² - Dimensions

| Reference | Conductor Size (mm ²) | Nominal Conductor Diameter | Insulation Thickness (mm) | CWS(mm) | Sheath Thickness (mm) | Overall Diameter(mm) | Weight(Kg/Km) |
|----------------------|-----------------------------------|----------------------------|---------------------------|---------|-----------------------|----------------------|---------------|
| 12/20NA2XS(F)H1X 50 | 50 | 8.5 | 5.0 | RM/16 | 1.7 | 27.5 | 820 |
| 12/20NA2XS(F)H1X 70 | 70 | 10.0 | 5.0 | RM/16 | 1.8 | 29.0 | 925 |
| 12/20NA2XS(F)H1X 95 | 95 | 11.5 | 5.0 | RM/16 | 1.9 | 31.0 | 1125 |
| 12/20NA2XS(F)H1X 120 | 120 | 13.0 | 5.0 | RM/16 | 2.0 | 32.5 | 1235 |
| 12/20NA2XS(F)H1X 150 | 150 | 14.5 | 5.0 | RM/25 | 2.0 | 34.5 | 1440 |
| 12/20NA2XS(F)H1X 185 | 185 | 16.0 | 5.5 | RM/25 | 2.1 | 36.0 | 1245 |
| 12/20NA2XS(F)H1X 240 | 240 | 18.5 | 5.5 | RM/25 | 2.2 | 38.0 | 1650 |
| 12/20NA2XS(F)H1X 300 | 300 | 21.0 | 5.5 | RM/25 | 2.3 | 41.5 | 1850 |
| 12/20NA2XS(F)H1X 400 | 400 | 24.0 | 5.5 | RM/35 | 2.4 | 44.5 | 2555 |
| 12/20NA2XS(F)H1X 500 | 500 | 26.5 | 6.0 | RM/35 | 2.5 | 48.0 | 3065 |
| 12/20NA2XS(F)H1X 630 | 630 | 30.5 | 6.0 | RM/35 | 2.6 | 51.5 | 3575 |

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