

NA2XS(FL)H 24kV Power Cable



Description

Medium voltage power cables for fixed installations in distribution networks and for connection to process machinery, Plant and to power generation equipment. Cables can be fixed on cable trays, within conduits or fixed to walls. This cable is not suitable for direct burial.

Should not be installed at temperatures below 0°C

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: -5°C to +90°C

Standards

- IEC 60502-02
- BS EN/IEC 60332-3-24 (cat C)
- UV Resistant: EN 50396
- IEC/EN 61034-1/2,
- IEC/EN 60754-1/2
- 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)
- **Insulation Screen:** Semi-conductive material (bonded)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Metallic Screen:** Copper Wires plus Copper tape
- **Water Blocking:** Radial applied Al/PET Tape
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)

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(Fl)H 24kV Power Cable - Dimensions

| Reference | Conductor Size (mm ²) | No Of Cores | Overall Diameter(mm) | Weight(Kg/Km) |
|-------------------|-----------------------------------|-------------|----------------------|---------------|
| 22KVNA2XSFLH1X35 | 35 | 1 | 28 | 850 |
| 22KVNA2XSFLH1X50 | 50 | 1 | 29 | 900 |
| 22KVNA2XSFLH1X70 | 70 | 1 | 31 | 1000 |
| 22KVNA2XSFLH1X95 | 95 | 1 | 33 | 1200 |
| 22KVNA2XSFLH1X120 | 120 | 1 | 34 | 1300 |
| 22KVNA2XSFLH1X150 | 150 | 1 | 36 | 1500 |
| 22KVNA2XSFLH1X185 | 185 | 1 | 37 | 1650 |
| 22KVNA2XSFLH1X240 | 240 | 1 | 39 | 1900 |
| 22KVNA2XSFLH1X300 | 300 | 1 | 41 | 2200 |
| 22KVNA2XSFLH1X400 | 400 | 1 | 44 | 2600 |
| 22KVNA2XSFLH1X500 | 500 | 1 | 47 | 3000 |
| 22KVNA2XSFLH1X630 | 630 | 1 | 52 | 3500 |



NA2XS(FL)H – ELECTRICAL CHARACTERISTICS

| CONDUCTOR SIZE | NOMINAL ELECTRICAL RESISTANCE AT 20°C | NOMINAL ELECTRICAL RESISTANCE AT 20°C | CURRENT CARRYING CAPACITY | | NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND OF CONDUCTOR |
|-----------------|---------------------------------------|---------------------------------------|---------------------------|------------------|---|
| | | | 20°C IN GROUND / DUCT | 30°C IN OPEN AIR | |
| MM ² | Ω/KM | Ω/KM | AMPS | AMPS | KA |
| 35 | 0.868 | 1.120 | 145 | 154 | 3.29 |
| 50 | 0.641 | 0.825 | 195 | 217 | 4.70 |
| 70 | 0.443 | 0.570 | 237 | 270 | 6.58 |
| 95 | 0.320 | 0.412 | 282 | 328 | 8.93 |
| 120 | 0.253 | 0.328 | 320 | 378 | 11.28 |
| 150 | 0.206 | 0.268 | 353 | 425 | 14.10 |
| 185 | 0.164 | 0.213 | 396 | 485 | 17.39 |
| 240 | 0.125 | 0.163 | 457 | 573 | 22.56 |
| 300 | 0.100 | 0.132 | 511 | 652 | 28.20 |
| 400 | 0.0778 | 0.103 | 566 | 740 | 37.60 |
| 500 | 0.0605 | 0.081 | 630 | 838 | 47.00 |
| 630 | 0.0469 | 0.064 | 701 | 882 | 59.22 |
| 240 | 0.0801 | 0.0801 | 379 | 607 | 0.0801 |
| 300 | 0.0641 | 0.0641 | 429 | 703 | 0.0641 |
| 400 | 0.0486 | 0.0486 | 541 | 823 | 0.0486 |

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