

# NA2XRH Aluminium Conductor IEC 60502-1 XLPE SWA HFFR 0.6/1kV Cable - 16mm<sup>2</sup> to 240mm<sup>2</sup>



## Description

NA2XRH cables are armoured aluminium power cables rated for 600/1000V service. Engineered for fixed-wire installations, these cables are designed to maintain structural integrity under significant mechanical stress and rigorous environmental conditions, particularly where fire safety is a priority. The range is manufactured in accordance with IEC 60502-1 and IEC/EN 61034-2, IEC/EN 60332-3-24, IEC/EN 60754-1/2, and IEC/EN 61034-1/2.

The cable features Class 2 stranded aluminium conductors insulated with XLPE (Cross-Linked Polyethylene), supported by LSZH (Low Smoke Zero Halogen) bedding and a high-grade LSZH outer sheath.

Integrated Steel Wire Armour (SWA) provides robust mechanical protection, offering safe underground installation and direct burial in free-draining soil. Additionally, the LSZH sheath is UV-stabilised and designed to give off minimal smoke and zero toxic halogens in the event of a fire, making it suitable for use in government buildings, transport infrastructure, hotels, schools, hospitals and data centres und CPR regulations 2017.

## Key Features



**Voltage Rating**  
600/1000 Volts



**Minimum Bending Radius**  
15 x Overall Diameter



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



**Temperature Limits**  
Conductor Maximum Operating Temperature: +90°C  
Maximum Short Circuit Temperature: +250°C

## Core Colours

- 2 core: Brown Blue
- 3 core: Brown Black Grey
- 4 core: Brown Blue Black Grey
- 5 core: Green Yellow Brown Blue Black Grey

## Standards

- IEC 60502-1
- BS EN/IEC 60332-3-24
- BS EN/IEC 61034
- BS EN/IEC 60754

## Construction

- **Conductor:** Class 2 Stranded Aluminium Conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Bedding:** Low Smoke Zero Halogen (LSZH)
- **Armour:** Galvanised Steel Wire Armour (SWA)
- **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



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