# N1XE-AR Cable 16mm² to 50mm²



## Description

Swedish standard N1XE-AR copper power cables are a low voltage power cable with a rating of 0.6/1kV primarily for use in fixed installations. N1XE-AR cables can withstand harsh environmental conditions operating in Sweden with a temperature range of -10°C to +90°C.

N1XE-AR cables are manufactured in accordance with SS 424 14 18, and designed for external use. The UV resistant Polyethylene outer sheath allows for above-ground applications but it is also suitable for installation in buried cable ducts. The cable is suitable for installation in environments where it will be under mechanical stress during both installation and usual operations.

N1XE-R/U is mainly used in power stations, industrial installation, switchgears and local mains power distribution. It can be installed in a wide range of scenarios. Internally with business and domestic premises, within cable ducts, in the open air and in water.

## Key Features

**Voltage Rating**
600/1000 Volts

**Minimum Bending Radius**
12 x Overall Diameter

**Temperature Limits**
Operating temperature: -10°C to +90°C
Maximum Conductor temperature: +90°C

## Core Colours

4 core - Brown | Black | Grey | Green Yellow

5 core - Brown | Blue | Black | Grey | Green Yellow

## Standards

- HD 603 S1
- IEC 60228

## Construction

- **Conductor**: Class 2 Stranded Aluminium Conductor
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Outer Sheath**: Polyethylene (PE)
- **Sheath Colour**: Black or Yellow

## 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

## N1XE-AR Cable 16mm² to 50mm² - Dimensions

| Reference | Conductor Size (mm2) | No Of Cores | Minimum Bending Radius | Overall Diameter(mm) | Weight(Kg/Km) |
|---|---|---|---|---|---|
| N1XEAR1KV4X16 | 16 | 4 | 228 | 19.0 | 325 |
| N1XEAR1KV5X16 | 16 | 5 | 252 | 21.0 | 375 |
| N1XEAR1KV4X25 | 25 | 4 | 276 | 23.0 | 500 |
| N1XEAR1KV5X25 | 25 | 5 | 303 | 25.5 | 645 |
| N1XEAR1KV4X50 | 50 | 4 | 330 | 27.5 | 750 |

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