# NAYCWY Cable - 16mm² to 240mm²



## Description

NAYCWY is an aluminium power and control cable for 0.6/1kV applications, with PVC insulation, an EPDM inner sheath and protection against water and UV exposure. NAYCWY cables provide mechanical protection and are suitable for indoor, outdoor and underground installations. Available in sizes from 16mm² to 240mm².

## Key Features

**Voltage Rating**
600/1000 Volts

**Minimum Bending Radius**
12 x Overall Diameter

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

**Temperature Limits**
Fixed: -40°C to +70°C
Flexed: -5°C to +50°C
Conductor operating temperature: +70°C
Short circuit temperature: +160°C

## Core Colours

2 core- Blue, Brown

3 core- Brown, Black, Grey

4 core- Blue, Brown, Black, Grey

## Standards

- IEC 60502-1
- VDE 0276-603
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228

## Construction

- **Conductor**: Class 1 solid or class 2 stranded aluminium sector shaped conductor
- **Insulation**: Polyvinyl Chloride (PVC)
- **Bedding**: Ethylene Propylene Diene Monomer (EPDM)
- **Concentric Conductor**: Copper wires with helical equalising copper tape
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: 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
UKAS TESTING 31196

**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.

CLEVELAND CABLE COMPANY

**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

## NAYCWY Cable - 16mm² to 240mm² - Dimensions

| Reference | Conductor Size (mm2) | No Of Cores | Insulation Thickness (mm) | Sheath Thickness (mm) | Overall Diameter(mm) | Weight(Kg/Km) |
|---|---|---|---|---|---|---|
| NAYCWY1KV2X16 | 16 | 2 | 1.0 | 1.8 | 20.0 | 585 |
| NAYCWY1KV3X16 | 16 | 3 | 1.0 | 1.8 | 21.0 | 645 |
| NAYCWY1KV4X16 | 16 | 4 | 1.0 | 1.8 | 23.0 | 745 |
| NAYCWY1KV3X25 | 25 | 3 | 1.1 | 1.8 | 23.0 | 760 |
| NAYCWY1KV4X25 | 25 | 4 | 1.1 | 1.8 | 27.0 | 1075 |
| NAYCWY1KV3X35 | 35 | 3 | 1.2 | 1.9 | 27.0 | 885 |
| NAYCWY1KV4X35 | 35 | 4 | 1.2 | 1.9 | 29.0 | 1255 |
| NAYCWY1KV3X50 | 50 | 3 | 1.4 | 1.9 | 28.0 | 1315 |
| NAYCWY1KV4X50 | 50 | 4 | 1.4 | 2.0 | 31.0 | 1595 |
| NAYCWY1KV3X70 | 70 | 3 | 1.4 | 2.0 | 33.0 | 1775 |
| NAYCWY1KV4X70 | 70 | 4 | 1.4 | 2.0 | 37.0 | 2150 |
| NAYCWY1KV3X95 | 95 | 3 | 1.6 | 2.2 | 37.0 | 2325 |
| NAYCWY1KV4X95 | 95 | 4 | 1.4 | 2.0 | 41.0 | 2595 |
| NAYCWY1KV3X120 | 120 | 3 | 1.6 | 2.0 | 41.0 | 2785 |
| NAYCWY1KV4X120 | 120 | 4 | 1.6 | 2.2 | 46.0 | 3260 |
| NAYCWY1KV3X150 | 150 | 3 | 1.8 | 2.4 | 45.0 | 3515 |
| NAYCWY1KV4X150 | 150 | 4 | 1.8 | 2.6 | 50.0 | 3995 |
| NAYCWY1KV3X185 | 185 | 3 | 2.0 | 2.6 | 50.0 | 4325 |
| NAYCWY1KV4X185 | 185 | 4 | 2.0 | 2.8 | 55.0 | 4850 |
| NAYCWY1KV3X240 | 240 | 3 | 2.2 | 2.8 | 56.0 | 4785 |
| NAYCWY1KV4X240 | 240 | 4 | 2.2 | 3.0 | 62.0 | 6250 |

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