

# NYCWY PVC 0.6/1kV Power Cable - 10mm<sup>2</sup> to 240mm<sup>2</sup>















CENELEC





# Description

NYCWY cable is a copper low-voltage power and control cable used for fixed installations where increased electrical and mechanical protection is needed. It is used for power distribution in power stations and industrial plants and for street lighting, house connection boxes, AC/DC charging for EV power, distribution boards and it is also used as a control cable for transmitting impulses and test data.

The cable can also be installed in cable ducts, tray and ladder within buildings though the design of the corrugated concentric conductor provides addition mechanical protection which makes it robust enough for both outdoor and indoor use. It can be installed in an underground installation without further protection.

## **Key Features**



Voltage Rating 600/1000 Volts



Minimum Bending Radius 15 x Overall Diameter



Flame Retardancy BS EN/IEC 60332-1



**Temperature Limits** Temperature Range: -5°C to +70°C

### **Core Colours**



### **Standards**

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

### Construction

- Conductor: Class 1 round solid copper Class 2 round stranded copper Class 2 sector shaped stranded copper
- Conductor: Class 1 Solid or Class 2 Stranded Copper conductor
- Insulation: Polyvinyl Chloride (PVC)
- Bedding: Polyvinyl Chloride (PVC)
- Concentric Conductor: Copper wires with helical equalising copper tape
- Outer Sheath: Polyvinyl Chloride (PVC)
- Sheath Colour: 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.



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



















# NYCWY PVC 0.6/1kV Power Cable - 10mm<sup>2</sup> to 240mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
NYCWY1KV2X10	10	2	1.0	1.8	19.0	615
NYCWY1KV3X10	10	3	1.0	1.8	19.5	775
NYCWY1KV4X10	10	4	1.0	1.8	20.4	875
NYCWY1KV2X16	16	2	1.0	1.8	20.5	850
NYCWY1KV3X16	16	3	1.0	1.8	21.5	1095
NYCWY1KV4X16	16	4	1.0	1.8	24.0	1400
NYCWY1KV2X25	25	2	1.0	1.8	24.5	1300
NYCWY1KV3X25	25	3	1.0	1.9	25.5	1600
NYCWY1KV4X25	25	4	1.0	1.9	31.0	1995
NYCWY1KV3X35	35	3	1.1	2.0	27.5	1850
NYCWY1KV4X35	35	4	1.0	2.0	34.0	2250
NYCWY1KV3X50	50	3	1.2	2.1	29.0	2400
NYCWY1KV4X50	50	4	1.0	2.1	37.0	2900
NYCWY1KV3X70	70	3	1.4	2.2	33.0	2900
NYCWY1KV4X70	70	4	1.4	2.2	41.5	3900
NYCWY1KV3X95	95	3	1.5	2.2	38.0	4500
NYCWY1KV4X95	95	4	1.5	2.2	47.5	5170
NYCWY1KV3X120	120	3	1.6	2.3	43.0	5000
NYCWY1KV4X120	120	4	1.6	2.3	51.0	6525
NYCWY1KV3X150	150	3	1.8	2.4	53.5	7700
NYCWY1KV4X150	150	4	1.8	2.4	58.0	7875
NYCWY1KV3X185	185	3	2.0	2.5	55.0	8700
NYCWY1KV4X185	185	4	2.0	2.5	61.0	9550
NYCWY1KV3X240	240	3	2.0	2.5	63.0	10300
NYCWY1KV4X240	240	4	2.0	2.5	68.0	11895

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.













CENELEC



