NAYY-O Aluminium Conductor PVC PVC 0.6/1kV Cable - 16mm² to 800mm²

Description

NAYY cables are Low Voltage 0.6/1kV European aluminium conductor power distribution cables. They are an alternative to copper conductor NYY cables offering both reductions in weight and in initial cost. NAYY are available with earth cores (J) or without (O). They are mostly used within the Renewable Energy industries and in particular within Solar farms .

The cables are unarmoured with aluminium cores, Polyvinyl Chloride (PVC) insulation and PVC outer sheath making them suitable for fixed installations in buildings, in free air and buried within conduit or trunking.

Key Features

Voltage Rating
600/1000 Volts

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

Core Colours

1 core: Black

3 core: Black | Brown | Grey

4 core: Blue | Brown | Black | Grey

5 core: Blue | Brown | Black | Grey | Black

7 core and above: Black with White numbers

Standards

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

Construction

- **Conductor**: Aluminium conductor
- **Insulation**: Polyvinyl Chloride (PVC)
- **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.

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

NAYY-O Aluminium Conductor PVC PVC 0.6/1kV Cable - 16mm² to 800mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
NAYYO4X6	6	4	1.0	1.7	17.0	380
NAYYO4X10	10	4	1.0	1.8	19.2	475
NAYYO5X10	10	5	1.0	1.8	20.5	583
NAYYO1X16	16	1	1.1	1.8	10.6	149
NAYYO4X16	16	4	1.1	1.8	23.0	750
NAYYO5X16	16	5	1.1	1.8	24.8	936
NAYYO1X25	25	1	1.2	1.8	12.2	199
NAYYO4X25	25	4	1.2	1.8	26.0	961
NAYYO5X25	25	5	1.2	1.8	27.2	1195
NAYYO1X35	35	1	1.4	2.0	14.0	260
NAYYO5X35	35	5	1.5	2.0	30.5	1385
NAYYO1X50	50	1	1.5	2.0	15.7	300
NAYYO5X50	50	5	1.5	2.1	36.5	1728
NAYYO1X70	70	1	1.6	2.1	17.4	385
NAYYO5X70	70	5	1.6	2.1	44.5	2255
NAYYO1X95	95	1	1.6	2.2	19.5	495
NAYYO5X95	95	5	1.6	2.2	47.5	3069
NAYYO1X120	120	1	1.7	2.4	20.5	580
NAYYO4X120	120	4	1.7	2.4	43.5	2410
NAYYO5X120	120	5	1.7	2.4	53.5	3860
NAYYO1X150	150	1	2.0	2.4	22.7	699
NAYYO4X150	150	4	1.8	2.6	46.5	3035
NAYYO5X150	150	5	1.8	2.6	56.8	4405
NAYYO1X185	185	1	2.2	2.6	26.0	855
NAYYO3X185	185	3	2.0	2.8	50..5	2680
NAYYO1X485	185	4	2.0	2.8	51.5	3660
NAYYO5X185	185	5	2.0	2.8	60	5500
NAYYO1X240	240	1	2.3	2.8	28.5	1110
NAYYO3X240	240	3	2.2	3.0	56.0	3630
NAYYO4X240	240	4	2.2	3.0	59.0	4800
NAYYO5X240	240	5	2.2	3.0	72.0	7000
NAYYO1X300	300	1	2.4	3.0	31.0	1620
NAYYO31X300	300	3	2.4	3.1	60	4500
NAYYO4X300	300	4	2.4	3.1	65.5	5690
NAYYO1X400	400	1	2.6	3.2	35.0	1850
NAYYO1X500	500	1	2.7	3.3	38.0	2050
NAYYO1X630	630	1	2.8	3.5	44.0	2495

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