Nexans - NYYJ Mains & Control Cable Non-Armoured, PVC - 1.5mm² to 16mm²



Description

Unarmoured power and control cable is most suited for energy supply in fixed installations. NYY Cable can be installed indoors where there is little chance of mechanical damage. Cables can be fixed on cable trays, within conduits or fixed to walls. This cable is not suitable for direct burial.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
12 x Overall Diameter

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Fixed: -15°C to +70°C

Core Colours

2 core - Brown, Blue

3 core - Brown, Blue, Green Yellow

4 core - Brown, Blue, Black, Green Yellow

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

Standards

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

Construction

- **Conductor**: Up to 6mm^2 Class 1 solid copper conductor Above 10mm^2 Class 2 stranded copper
- **Insulation**: Polyvinyl Chloride (PVC)
- **Filler**: Polyvinyl Chloride (PVC)
- **Outer Sheath**: Polyvinyl Chloride (PVC)

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.

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

Nexans - NYYJ Mains & Control Cable Non-Armoured, PVC - 1.5mm² to 16mm² - Dimensions

Reference	Perm. Current buried / direct 20°C [A]	Perm current rating in air 30°C [A]	Max. DC Resist. Cond. 20°C [Ohm/km]	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
NYY2X1/5	22	22	12.1	1.5	2	10.0	150
NYY3X1/5	19	18	12.1	1.5	3	11.0	180
NYY4X1/5	19	18	12.1	1.5	4	11.0	200
NYY5X1/5	19	18	12.1	1.5	5	12.0	240
NYY2X2/5	28	30	7.41	2.5	2	11.0	190
NYY3X2/5	24	25	7.41	2.5	3	10.8	220
NYY4X2/5	24	25	7.41	2.5	4	12.0	260
NYY5X2/5	24	25	7.41	2.5	5	13.0	300
NYY2X4	38	40	4.61	4	2	13.0	260
NYY3X4	333	34	4.61	4	3	13.0	300
NYY4X4	33	34	4.61	4	4	15.0	360
NYY5X4	33	34	4.61	4	5	16.0	440
NYY2X6	48	51	3.08	6	2	14.0	320
NYY3X6	41	43	3.08	6	3	15.0	380
NYY4X6	41	43	3.08	6	4	16.0	480
NYY5X6	41	43	3.08	6	5	17.0	550
NYY2X10	70	64	1.83	10	2	16.0	480
NYY3X10	54	60	1.83	10	3	17.0	600
NYY4X10	54	60	1.83	10	4	19.0	690
NYY5X10	54	60	1.83	10	5	20.0	840
NYY2X16	83	94	1.15	16	2	18.0	650
NYY3X16	70	80	1.15	16	3	19.0	800
NYY4X16	70	80	1.15	16	4	21.0	960
NYY5X16	70	80	1.15	16	5	23.0	1160

GENERAL CONDUCTOR PROPERTIES

NOMINAL CROSS SECTION AREA MM2	MAX RESISTANCE (Ω/Km) OF CLASS 1 SOLID CONDUCTOR AT 20 0C	MINIMUM NUMBER OF WIRES IN CLASS 2 CONDUCTOR						MAX RESISTANCE (Ω/Km) OF CLASS 2 COPPER CONDUCTOR AT 20 0C	MAX RESISTANCE(Ω/Km) OF CLASS 2 ALUMINIUM CONDUCTOR AT 20 0C
		CIRCULAR		COMPACTED CIRCULAR		SECTOR SHAPED			
		Cu	Al	Cu	Al	Cu	Al		
1.5	12.1	7		6				12.1	-
2.5	7.41	7	-	6	-	-	-	7.41	-
4	4.61	7	-	6	-	-	-	4.61	-
6	3.08	7	-	6	-	-	-	3.08	-
10	1.83	7	7	6	6	-	-	1.83	3.08
16	1.15	7	7	6	6	-	-	1.15	1.91
25	0.727	7	7	6	6	6	6	0.727	1.2
35	0.524	7	7	6	6	6	6	0.524	0.868
50	0.387	19	19	6	6	6	6	0.387	0.641
70	0.268	19	19	12	12	12	12	0.268	0.443
95	0.193	19	19	15	15	15	15	0.193	0.32
120	0.153	37	37	18	15	18	15	0.153	0.253
150	0.124	37	37	18	15	18	15	0.124	0.206
185	0.101	37	37	30	30	30	30	0.0991	0.164
240	0.0775	37	37	34	30	34	30	0.0754	0.125
300	0.062	61	61	34	30	34	30	0.0601	0.1

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