

NYMJ Domestic & Industrial Cable BS50265, PVC - 1.5mm² to 16mm²



Description

NYMJ PVC wiring cable, indoor and outdoor use. Suitable for industrial or domestic applications and designed for dry, moist or wet open areas i.e. under plaster and in concrete. Not suitable for exposure to direct sunlight.

Key Features



Voltage Rating
300/500 Volts



Minimum Bending Radius
Multicore: 4 x overall diameter
Single Core: 7.5 x overall diameter



Flame Retardancy
IEC/EN 60332-1-2



Temperature Limits
Fixed: -40°C to +70°C
Flexing: -5°C to +70°C

Core Colours

2 Core - Brown Blue

3 Core - Brown Blue Green Yellow

4 Core - Brown Black Grey Green Yellow

5 Core - Brown Black Grey Blue Green Yellow

7 Core and above - Black with White numbers



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.



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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.

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NYMJ Domestic & Industrial Cable BS50265, PVC - 1.5mm² to 16mm² - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Stranding(mm)	Weight(Kg/Km)
NYMJ3X1/5	1.5	3	1/1.38	120
NYMJ4X1/5	1.5	4	1/1.38	140
NYMJ5X1/5	1.5	5	1/1.38	170
NYMJ7X1/5	1.5	7	1/1.38	210
NYMJ12X1/5	1.5	12	1/1.38	405
NYMJ3X2/5	2.5	3	1/1.78	165
NYMJ5X2/5	2.5	5	1/1.78	245
NYMJ3X4R	4	3	1/2.25	240
NYMJ5X4R	4	5	1/2.25	370
NYMJ3X6	6	3	1/2.76	330
NYMJ5X6R	6	5	1/2.76	406
NYMJ3X10BULK	10	3	1/3.56	510
NYMJ5X10BULK	10	5	1/3.56	770
NYMJ3X16BULK	16	3	7/1.70	740
NYMJ5X16BULK	16	5	7/1.70	1150



TABLE 4D2A

Ambient temperature: 30 °C
 Conductor operating temperature: 70 °C

CURRENT-CARRYING CAPACITY (amperes):

Conductor cross-sectional area	Reference Method A (enclosed in conduit in thermally insulating wall etc)		Reference Method B (enclosed in conduit on a wall or in trunking etc)		Reference Method C (clipped direct)		Reference Method E (in free air or on a perforated cable tray etc, horizontal or vertical)	
	1 two-core cable*, single phase AC or DC	1 three-core cable* or 1 four-core cable, three phase AC	1 two-core cable*, single-phase AC or DC	1 three-core cable* or 1 four-core cable, three phase AC	1 two-core cable*, single phase AC or DC	1 three-core cable* or 1 four-core cable, three phase AC	1 two-core cable*, single phase AC or DC	1 three-core cable* or 1 four-core cable, three phase AC
I	2	3	4	5	6	7	8	9
(mm ²)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)
1	11	10	13	11.5	15	13.5	17	14.5
1.5	14	13	16.5	15	19.5	17.5	22	18.5
2.5	18.5	17.5	23	20	27	24	30	25
4	25	23	30	27	36	32	40	34
6	32	29	38	34	46	41	51	43
10	43	39	52	46	63	57	70	60
16	57	52	69	62	85	76	94	80
25	75	68	90	80	112	96	119	101
35	92	83	111	99	138	119	148	126
50	110	99	133	118	168	144	180	153
70	139	125	168	149	213	184	232	196
95	167	150	201	179	258	223	282	238
120	192	172	232	206	299	259	328	276
150	219	196	258	225	344	299	379	319
185	248	223	294	255	392	341	434	364
240	291	261	344	297	461	403	514	430
300	334	298	394	339	530	464	593	497
400			470	402	634	557	715	597

* with or without a protective conductor



VOLTAGE DROP (per ampere per metre):

Conductor operating temperature: 70°C

Conductor cross-sectional area	Two-core cable, DC	Two-core cable, single-phase AC		Three- or four-core cable, three-phase AC		
1	2	3		4		
(mm ²)	(mV/A/m)	(mV/A/m)		(mV/A/m)		
1	44		44			38
1.5	29		29			25
2.5	18		18			15
4	11		11			9.5
6	7.3		7.3			6.4
10	4.4		4.4			3.8
16	2.8		2.8			2.4
		r	X	z	r	X
25	1.75	1.75	0.170	1.75	1.50	0.145
35	1.25	1.25	0.165	1.25	1.10	0.145
50	0.93	0.93	0.165	0.94	0.80	0.140
70	0.63	0.63	0.160	0.65	0.55	0.140
95	0.46	0.47	0.155	0.50	0.41	0.135
120	0.36	0.38	0.155	0.41	0.33	0.135
150	0.29	0.30	0.155	0.34	0.26	0.130
185	0.23	0.25	0.150	0.29	0.21	0.130
240	0.180	0.190	0.150	0.24	0.165	0.130
300	0.145	0.155	0.145	0.21	0.135	0.130
400	0.105	0.115	0.145	0.185	0.100	0.125
						0.160

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