

THE FOLLOWING INDICATORS SHOULD BE MENTIONED BEFORE BUYING A CABLE



Application area	The most important parameter affecting the design and technical features of the product
Cross section or total power of the load	An important parameter affecting the power carried by the cable. The selection of the necessary cable should be carried out taking into account the total power of the load that is planned to be connected. The calculated value of the current should not lead to overheating of the cable.
Nominal voltage	This indicator depends on the thickness and quality of the insulating layer.
Category of flexibility of the core	It is important when laying the product in small areas.

Our team is always ready to help you with selection and ordering of our production

REFERENCE INFORMATION

The number and nominal core cross-section, mm ²	Nominal diameter, mm	Estimated weight 1 km product, kg		
		PVS	PVSng	PVSng-LS
2x0,5	5,40	40,61	43,21	44,29
2x0,75	5,80	49,06	52,00	53,19
2x1,0	6,00	55,26	58,37	59,65
2x1,5	7,00	76,48	80,70	82,42
2x2,5	8,60	118,16	124,38	127,01
2x4,0	9,84	166,21	174,30	177,46
2x6,0	12,10	249,22	261,39	266,39
2x10	16,12	431,71	452,99	461,28
2x16	18,80	606,31	635,07	645,27
3x0,5	5,90	50,19	52,96	54,52
3x0,75	6,13	58,08	60,87	62,56
3x1,0	6,35	66,35	69,30	71,11
3x1,5	7,61	95,74	100,10	102,55
3x2,5	9,11	143,46	149,30	153,00
3x4,0	10,43	205,18	212,76	217,19
3x6,0	12,83	306,79	318,16	325,13
3x10	17,10	529,87	549,61	561,23
3x16	19,96	749,68	776,29	790,48
4x0,5	6,42	59,76	62,71	64,75
4x0,75	6,71	70,12	73,09	75,28
4x1,0	7,14	83,99	87,47	89,85
4x1,5	8,41	118,20	123,03	126,24
4x2,5	10,19	180,71	187,37	192,27
4x4,0	11,65	258,67	267,22	273,03
4x6,0	14,09	377,56	389,54	398,52
4x10	18,81	652,75	673,52	688,64
4x16	21,96	926,87	954,83	973,25
5x0,5	7,00	72,76	75,97	78,48
5x0,75	7,54	89,15	92,74	95,48
5x1,0	7,81	102,22	106,00	108,94
5x1,5	9,29	147,11	152,60	156,57
5x2,5	11,38	225,49	233,30	239,38
5x4,0	12,98	326,57	336,52	343,72
5x6,0	15,70	473,35	487,14	498,59
5x10	21,11	824,52	849,13	867,94
5x16	24,59	1166,61	1199,36	1222,24

Note 1: The values shown in this table are according to the manufacturer's specifications and are for information only and are not guaranteed. Technical changes are possible.

POWER CABLES WITH EXTRUDED PLASTIC INSULATION FOR NOMINAL VOLTAGE UP TO 500V INCLUDING

Type NYM

(MBCU, CYY-F, CYKY, PGP / YM, CBT)
(DIN VDE 0250-204 (VDE 0250 Teil 204):2000-12)

Nominal alternating voltage, kV	0,3/0,5
Number of current-conducting cores, unit	1 – 5
Section size, mm ²	1,5 – 10



Decoding of the designation for connecting wires and cords:

1	2			
Without letter «A» at the beginning copper conductors	N compliance with the German standard of cable product classification Normenleitung	Y insulation layer is made of PVC	M possible to install in different conditions	4x10 the number and nominal cross-section of current-conducting wires

MAIN SCOPE OF APPLICATION

NYM

for general industrial use and is intended for the transmission and distribution of electricity in stationary installations for a rated alternating voltage up to 1 kV with a single laying with a limited requirement for flame propagation

CONSTRUCTION

Power compacted cable type NYM is produced in round shape with total cross-section of copper conductors from 1.5 mm² to 10 mm² with filler between insulated conductors and in grey sheath.

The number of cores and their nominal cross-section

Type of cable	Number of cores	Cross-section of the main cores, mm ²
NYM	1, 2, 3, 4, 5	1,5 – 10

MAIN TECHNICAL CHARACTERISTICS

Operating temperature range, °C:	-40 to +50	The construction length of the cable is not less than:	upon agreement
Cable laying and installation temperature, not lower, °C:	-15	Heating temperature of cable cores, °C:	+70
The relative humidity of the cable air at a temperature of +35°C, %:	to 98	- allowed for a long time	+80
		- in overload mode	+160
		- at short-circuit currents	
The minimum bending radius while laying the cable:	10 outer diameters		
Single-core and multi-core with sector cores	7.5 outer diameters		
Multi-core with round cores			
Warranty period:	5 years	Term of service:	25 years