

NYY-O Medium Power & Control Cable



NYY-O is a VDE approved, solid conductor*, black PVC jacketed, 600/1000 volt power and control cable. These power cables were designed for energy supply in cable ducts, power stations, industry and distribution boards and in subscriber networks. May also be used in brickwork and in concrete with the exception of cabling in shaken, vibrated or compressed concrete. **NYY-O** cables can be installed in open air, underground, in water and indoors where mechanical damages are not to be expected. This special color code construction has no green/yellow ground wire. The UV-resistance allows for outdoor use.



Construction:

- Single or multiple bare copper
- Solid strand to VDE-0295 Class-1
- For #4 AWG and up, VDE-0295 Class-2 strand
- PVC core insulation
- Color code to VDE-0293-308 - No Ground
- Above 5 cores, color is black w/ white numbers
- PVC (DMV5) outer jacket
- Black (RAL 9005)

Technical:

- Working voltage: 600/1000 volts
- Test voltage: 4000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 12 x Ø
- Flexing temp: -5° C to +50° C
- Static temp: -40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: > 100 MΩ x km

Approvals:

- VDE-0276 Part-603 & Part-627
- HD 603.1 & HD 627 S1
- IEC 60502
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
16 AWG (Solid) 1,50mm²				
7311602	2	0.433" / 11.0mm	19	117
7311603	3	0.453" / 11.5mm	29	154
7311604	4	0.472" / 12.0mm	39	174
7311605	5	0.512" / 13.0mm	48	201
7311607	7	0.610" / 15.5mm	68	241
14 AWG (Solid) 2,50mm²				
7311402	2	0.472" / 12.0mm	32	144
7311403	3	0.492" / 12.5mm	48	188
7311404	4	0.531" / 13.5mm	64	215
7311405	5	0.571" / 14.5mm	80	245
12 AWG (Solid) 4,00mm²				
7311201	1	0.354" / 9.0mm	25	77
7311202	2	0.512" / 13.0mm	51	241
7311203	3	0.551" / 14.0mm	77	275
7311204	4	0.591" / 15.0mm	103	322
10 AWG (Solid) 6,00mm²				
7311001	1	0.374" / 9.5mm	39	91
7311002	2	0.591" / 15.0mm	77	268
7311003	3	0.610" / 15.5mm	116	309
7311004	4	0.650" / 16.5mm	154	396
8 AWG (Solid) 10,0mm²				
7310801	1	0.394" / 10.0mm	64	127
7310802	2	0.650" / 16.5mm	128	375
7310803	3	0.669" / 17.0mm	193	443
7310804	4	0.728" / 18.5mm	258	530
6 AWG (Solid) 16,0mm²				
7310601	1	0.433" / 11.0mm	103	174
7310602	2	0.728" / 18.5mm	206	503
7310603	3	0.748" / 19.0mm	309	604
7310604	4	0.846" / 21.5mm	412	738

Sizes continued on next page.

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NYY-O Sizes Continued. (4 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
4 AWG (7/12) 25,0mm²				
7310401	1	0.472" / 12.0mm	161	255
7310402	2	0.945" / 24.0mm	321	771
7310404	4	1.024" / 26.0mm	644	1107
2 AWG (7/10) 35,0mm²				
7310201	1	0.512" / 13.0mm	225	329
7310204	4	1.083" / 27.5mm	901	1449
1 AWG (19/13) 50,0mm²				
7310101	1	1.043" / 26.5mm	322	436
7310104	4	1.181" / 30.0mm	1488	1845
2/0 AWG (19/12) 70,0mm²				
7312101	1	1.181" / 30.0mm	451	577
7312104	4	1.339" / 34.0mm	1803	2180
3/0 AWG (19/10) 95,0mm²				
7313101	1	1.358" / 34.5mm	612	771
7313104	4	1.535" / 39.0mm	2447	2951
4/0 AWG (37/12) 120,0mm²				
7314101	1	1.457" / 37.0mm	773	939
7314104	4	1.673" / 42.5mm	3091	3655
300 MCM (37/11) 150,0mm²				
7313001	1	1.870" / 47.5mm	966	1409
350 MCM (37/10) 185,0mm²				
7313501	1	2.047" / 52.0mm	1191	1408
500 MCM (61/11) 240,0mm²				
7315001	1	2.283" / 58.0mm	1547	1777

* Additional sizes may be available.