

NYY-J Medium Power & Control Cable



NYY-J 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-J** cables can be installed in open air, underground, in water and indoors where mechanical damages are not to be expected. 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 with 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 & 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				
7301602	2	0.433" / 11.0mm	19	117
7301603	3	0.453" / 11.5mm	29	154
7301604	4	0.472" / 12.0mm	39	174
7301605	5	0.512" / 13.0mm	48	201
7301607	7	0.610" / 15.5mm	68	241
7301610	10	0.709" / 18.0mm	97	349
7301612	12	0.748" / 19.0mm	116	376
7301614	14	0.787" / 20.0mm	135	416
7301616	16	0.827" / 21.0mm	154	463
7301619	19	0.866" / 22.0mm	184	510
7301621	21	0.906" / 23.0mm	203	557
7301624	24	0.984" / 25.0mm	232	637
7301630	30	1.024" / 26.0mm	290	738
7301640	40	1.142" / 29.0mm	386	905
7301652	52	1.220" / 31.0mm	502	972
7301661	61	1.339" / 34.0mm	589	1127
14 AWG (Solid) 2,50mm²				
7301402	2	0.472" / 12.0mm	32	144
7301403	3	0.492" / 12.5mm	48	188
7301404	4	0.531" / 13.5mm	64	215
7301405	5	0.571" / 14.5mm	80	245
7301407	7	0.650" / 16.5mm	113	302
7301410	10	0.768" / 19.5mm	161	423
7301412	12	0.807" / 20.5mm	193	456
7301414	14	0.827" / 21.0mm	225	530
7301416	16	0.866" / 22.0mm	258	584
7301419	19	0.906" / 23.0mm	306	664
7301421	21	0.965" / 24.5mm	338	704
7301424	24	1.063" / 27.0mm	386	939
7301430	30	1.102" / 28.0mm	483	973
7301440	40	1.240" / 31.5mm	644	1207
7301452	52	1.378" / 35.0mm	837	1509
12 AWG (Solid) 4,00mm²				
7301201	1	0.354" / 9.0mm	25	77
7301203	3	0.551" / 14.0mm	77	275
7301204	4	0.591" / 15.0mm	103	322
7301205	5	0.650" / 16.5mm	129	369
7301207	7	0.748" / 19.0mm	180	449

Sizes continued on next page.

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NYY-J Sizes Continued. (10 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
10 AWG (Solid) 6,00mm²				
7301001	1	0.374" / 9.5mm	39	91
7301003	3	0.610" / 15.5mm	116	309
7301004	4	0.650" / 16.5mm	154	396
7301005	5	0.709" / 18.0mm	193	456
7301007	7	0.827" / 21.0mm	270	570
8 AWG (Solid) 10,0mm²				
7300801	1	0.394" / 10.0mm	64	127
7300803	3	0.669" / 17.0mm	193	443
7300804	4	0.728" / 18.5mm	258	530
7300805	5	0.787" / 20.0mm	322	624
7300807	7	0.906" / 23.0mm	450	805
6 AWG (Solid) 16,0mm²				
7300601	1	0.433" / 11.0mm	103	174
7300603	3	0.748" / 19.0mm	309	604
7300604	4	0.846" / 21.5mm	412	738
7300605	5	0.866" / 22.5mm	515	872
4 AWG (7/12) 25,0mm²				
7300401	1	0.472" / 12.0mm	161	255
7300403	3	0.945" / 24.0mm	483	905
7300404	4	1.024" / 26.0mm	644	1107
7300405	5	1.102" / 28.0mm	805	1375
2 AWG (7/10) 35,0mm²				
7300201	1	0.512" / 13.0mm	225	329
7300203	3	0.984" / 25.0mm	676	905
7300204	4	1.083" / 27.5mm	901	1449
1 AWG (19/13) 50,0mm²				
7300101	1	0.591" / 15.0mm	322	436
7300103	3	1.043" / 26.5mm	1127	1643
7300104	4	1.181" / 30.0mm	1488	1845
2/0 AWG (19/12) 70,0mm²				
7302101	1	0.630" / 16.0mm	451	577
7302103	3	1.181" / 30.0mm	1352	1643
7302104	4	1.339" / 34.0mm	1803	2180
3/0 AWG (19/10) 95,0mm²				
7303101	1	0.748" / 19.0mm	612	771
7303103	3	1.358" / 34.5mm	2157	2247
7303104	4	1.535" / 39.0mm	2447	2951
4/0 AWG (37/12) 120,0mm²				
7304101	1	0.787" / 20.0mm	773	939
7304103	3	1.457" / 37.0mm	2318	2750
7304104	4	1.673" / 42.5mm	3091	3655
300 MCM (37/11) 150,0mm²				
7303001	1	0.866" / 22.0mm	966	1409
7303004	4	1.870" / 47.5mm	3863	4393
350 MCM (37/10) 185,0mm²				
7303501	1	0.945" / 24.0mm	1191	1408
7303504	4	2.047" / 52.0mm	4765	5500
500 MCM (61/11) 240,0mm²				
7305001	1	1.063" / 27.0mm	1547	1777
7305004	4	2.283" / 58.0mm	6181	7143

* Additional sizes may be available.