



NAYY-J/NAYY-O

Application and Description

NAYY is used in power plants industrial and switching installations, in secondary distribution networks and other. These cables are preferentially used in outdoor applications, for indoor installations, in the open air, underground and in water where mechanical damage is not anticipated.

Standard and Approval

VDE 0276 part 603, IEC 60502

Cable Construction

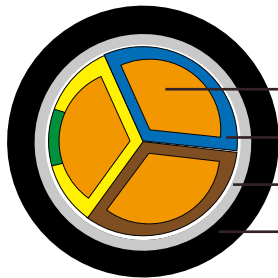
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- Aluminium Conductor
 - VDE 0295 cl. 1 or cl. 2 (round and sector shaped), BS 6360/IEC 60228 cl. 1 or cl. 2
 - PVC insulation type DIV4 acc. VDE0207
 - Color coded to DIN VDE 0293
 - PVC compound inner sheath
 - PVC outer sheath type DMV5 acc. VDE 0207
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Technical Data

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- Working voltage: 600/1000 volts
 - Test voltage: 4000 volts
 - Minimum bending radius: 12 x Ø
 - Flexing temperature: -5° C to +50° C
 - Fixed installation temperature: - 30° C to +70° C
 - Short circuit temperature: +160° C
 - Flame-retardant to DIN VDE 0472 part 804 class B/IEC 60332-1
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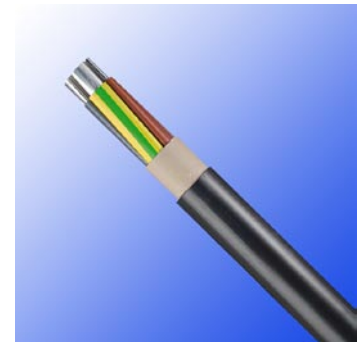


German Standard (VDE)



- Aluminum shaped copper conductor
- PVC insulation
- PVC inner jacket
- PVC outer jacket

NAYY-J



NAYY-J

Cable Parameter

| AWG | No. of Core and Nominal Cross Sectional # x mm ² | Stranded Conductor Type | Nominal Overall Diameter mm | Aluminium weight kg/km | Nominal Cable Weight kg/km |
|--------|---|-------------------------|-----------------------------|------------------------|----------------------------|
| NAYY-O | | | | | |
| 4 | 1 x 25.0 | re | 12.2 | 70 | 190 |
| 2 | 1 x 35.0 | re | 13.1 | 97 | 229 |
| 1 | 1 x 50.0 | re | 14.5 | 131 | 288 |
| 1 | 1 x 50.0 | rm | 15.4 | 135 | 303 |
| 2/0 | 1 x 70.0 | rm | 17.1 | 195 | 385 |
| 3/0 | 1 x 95.0 | rm | 19.3 | 270 | 499 |
| 4/0 | 1 x 120.0 | rm | 20.8 | 341 | 589 |
| 300mcm | 1 x 150.0 | rm | 22.6 | 419 | 705 |
| 350mcm | 1 x 185.0 | rm | 24.9 | 526 | 862 |
| 500mcm | 1 x 240.0 | rm | 27.7 | 690 | 1083 |
| 750mcm | 1 x 300.0 | rm | 30.6 | 863 | 1325 |
| - | 1 x 400.0 | rm | 34.0 | 1109 | 1657 |
| - | 1 x 500.0 | rm | 38.0 | 1461 | 2172 |
| 4 | 2 x 25.0 | re | 22.4 | 140 | 685 |
| 2 | 2x 35.0 | re | 24.3 | 194 | 826 |
| 2 | 2 x 35.0 | rm | 25.4 | 199 | 880 |
| 1 | 2 x 50.0 | re | 27.3 | 261 | 1049 |
| 1 | 2 x 50.0 | rm | 29.1 | 269 | 1155 |
| 2/0 | 2 x 70.0 | rm | 33.1 | 390 | 1447 |
| 3/0 | 2 x 95.0 | rm | 37.9 | 539 | 1905 |
| NAYY-J | | | | | |
| 4 | 3 x 25.0 | re | 23.7 | 210 | 768 |
| 2 | 3 x 35.0 | re | 25.8 | 291 | 932 |
| 1 | 3 x 50.0 | sm | 30.9 | 404 | 1294 |
| 1 | 3 x 50.0 | sm | 27.8 | 404 | 994 |
| 2/0 | 3 x 70.0 | sm | 31.2 | 584 | 1250 |
| 3/0 | 3 x 95.0 | sm | 35.8 | 809 | 1675 |
| 4/0 | 3 x 120.0 | sm | 38.0 | 1023 | 1964 |
| 300mcm | 3 x 150.0 | sm | 41.8 | 1257 | 2365 |
| 350mcm | 3 x 185.0 | sm | 45.7 | 1579 | 2913 |
| 500mcm | 3 x 240.0 | sm | 51.1 | 2071 | 3693 |



Addison Industrial Cables

German Standard (VDE)

| AWG | No. of Core and Nominal Cross Sectional # x mm ² | Stranded Conductor Type | Nominal Overall Diameter mm | Aluminium weight kg/km | Nominal Cable Weight kg/km |
|--------|---|-------------------------|-----------------------------|------------------------|----------------------------|
| 1 | 3 x 50.0+25 | re+re | 30.5 | 462 | 1310 |
| 1 | 3 x 50.0+25 | sm+rm | 31.2 | 474 | 1158 |
| 2/0 | 3 x 70.0+35 | sm+rm | 36.0 | 684 | 1537 |
| 3/0 | 3 x 95.0+50 | sm+rm | 40.2 | 944 | 1971 |
| 4/0 | 3x120.0+70 | sm+rm | 43.2 | 1218 | 2346 |
| 300mcm | 3 x 150.0+70 | sm+rm | 48.0 | 1452 | 2839 |
| 350mcm | 3 x 185.0+95 | sm+rm | 52.3 | 1848 | 3470 |
| 500mcm | 3x240.0+120 | sm+rm | 58.7 | 2412 | 4399 |
| 750mcm | 3x300.0+150 | sm+rm | 64.3 | 3008 | 5321 |
| 4 | 4 x 25.0 | re | 25.8 | 281 | 912 |
| 2 | 4 x 35.0 | re | 28.2 | 388 | 1111 |
| 1 | 4 x 50.0 | se | 31.2 | 539 | 1265 |
| 2/0 | 4 x 70.0 | se | 36.0 | 779 | 1658 |
| 3/0 | 4 x 95.0 | se | 40.2 | 1079 | 2139 |
| 4/0 | 4 x120.0 | se | 43.2 | 1364 | 2524 |
| 300mcm | 4 x 150.0 | se | 48.0 | 1676 | 3123 |
| 350mcm | 4 x 185.0 | se | 53.7 | 2105 | 4002 |
| 500mcm | 4 x 240.0 | se | 58.7 | 2762 | 4848 |
| 750mcm | 4 x 300.0 | se | 64.3 | 3452 | 5882 |
| 4 | 5 x 25.0 | re | 28.1 | 351 | 1072 |
| 2 | 5 x 35.0 | re | 30.9 | 485 | 1326 |
| 1 | 5 x 50.0 | re | 35.7 | 653 | 1771 |
| 4 | 5 x 25.0 | rm | 30.4 | 360 | 1183 |
| 2 | 5 x 35.0 | rm | 33.0 | 497 | 1456 |
| 1 | 5 x 50.0 | rm | 38.1 | 673 | 1919 |
| 2/0 | 5 x 70.0 | rm | 43.3 | 974 | 2452 |
| 3/0 | 5 x 95.0 | rm | 49.8 | 1349 | 3257 |