



**Description:** **NYY-J, NYY-O 4 x 120sm\_**

**Lapp code:** Lapp 15500783

The **Test voltage** of the cable Lapp 15500783 is 4000 V.

## Application range

- Power and control cable for fixed installation in the following applications:
- For indoor and outdoor use
- Burial without additional, suitable underground protection according to VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial: normal minimum installation depth 0.6 m, but at least 0.8 m under roads
- In concrete with a temperature below the maximum cable operating temperature of +70 °C according to the VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial
- In water: no longer than 2 weeks at a time, maximum submersion depth 10 metres, only in static water/bodies of water without shipping traffic

## Product Make-up

- Bare copper wire conductor
- Abbreviations "re", "rm", "se", "sm": r = round conductor form; s = sectorial conductor form; e = single-wire conductor (wire = conductor)/braided conductor class 1 according to IEC 60228/VDE 0295 for fixed, static applications; m = multi-wire conductor/braided conductor class 2 according to IEC 60228/VDE 0295 for fixed, static applications, but with a slightly lower minimum bending factor
- Core insulation: Based on PVC
- Filling compound over the core assembly
- PVC-based outer sheath

In our Cable list on next page you can find all interesting information acc. article Lapp 15500783 and much more.

**CABLE LIST - all informations you need you can find here**

| Product Name            | Lapp Nr.      | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|-------------------------|---------------|---|---------------------|----------------------|----------------|
| NYY-J                   |               |   |                     |                      |                |
| NYY-J, NYY-O 1 x 25rm   | Lapp 1550030  | 1 x 25rm  | 13.0                | 240.0                | 380            |
| NYY-J, NYY-O 1 x 35rm   | Lapp 1550038  | 1 x 35rm  | 14.0                | 336.0                | 447            |
| NYY-J, NYY-O 1 x 50rm   | Lapp 1550032  | 1 x 50rm  | 15.0                | 480.0                | 650            |
| NYY-J, NYY-O 1 x 70rm   | Lapp 1550033  | 1 x 70rm  | 17.0                | 672.0                | 864            |
| NYY-J, NYY-O 1 x 185rm  | Lapp 1550037  | 1 x 185rm   | 25.0                | 1776.0               | 2080           |
| NYY-J, NYY-O 3 x 1,5re  | Lapp 15500013 | 3 x 1,5re   | 12.0                | 43.0                 | 223            |
| NYY-J, NYY-O 4 x 1,5re  | Lapp 15500023 | 4 x 1,5re   | 13.0                | 58.0                 | 256            |
| NYY-J, NYY-O 5 x 1,5re  | Lapp 15500033 | 5 x 1,5re   | 14.0                | 72.0                 | 293            |
| NYY-J, NYY-O 7 x 1,5re  | Lapp 1550004  | 7 x 1,5re   | 15.0                | 101.0                | 360            |
| NYY-J, NYY-O 10 x 1,5re | Lapp 1550005  | 10 x 1,5re  | 18.0                | 144.0                | 520            |
| NYY-J, NYY-O 12 x 1,5re | Lapp 1550006  | 12 x 1,5re  | 19.0                | 173.0                | 560            |
| NYY-J, NYY-O 14 x 1,5re | Lapp 1550084  | 14 x 1,5re  | 20.0                | 202.0                | 620            |
| NYY-J, NYY-O 16 x 1,5re | Lapp 1550007  | 16 x 1,5re  | 21.0                | 230.0                | 680            |
| NYY-J, NYY-O 19 x 1,5re | Lapp 1550008  | 19 x 1,5re  | 22.0                | 274.0                | 760            |
| NYY-J, NYY-O 24 x 1,5re | Lapp 1550009  | 24 x 1,5re  | 24.0                | 346.0                | 900            |
| NYY-J, NYY-O 30 x 1,5re | Lapp 1550086  | 30 x 1,5re  | 26.0                | 432.0                | 1100           |
| NYY-J, NYY-O 3 x 2,5re  | Lapp 15500103 | 3 x 2,5re   | 13.0                | 72.0                 | 272            |
| NYY-J, NYY-O 4 x 2,5re  | Lapp 15500113 | 4 x 2,5re   | 14.0                | 96.0                 | 316            |
| NYY-J, NYY-O 5 x 2,5re  | Lapp 15500123 | 5 x 2,5re   | 15.0                | 120.0                | 323            |
| NYY-J, NYY-O 7 x 2,5re  | Lapp 1550013  | 7 x 2,5re   | 16.0                | 168.0                | 450            |
| NYY-J, NYY-O 10 x 2,5re | Lapp 1550090  | 10 x 2,5re  | 20.0                | 240.0                | 630            |
| NYY-J, NYY-O 12 x 2,5re | Lapp 1550091  | 12 x 2,5re  | 20.0                | 288.0                | 680            |
| NYY-J, NYY-O 14 x 2,5re | Lapp 1550092  | 14 x 2,5re  | 21.0                | 336.0                | 790            |
| NYY-J, NYY-O 19 x 2,5re | Lapp 1550094  | 19 x 2,5re  | 23.0                | 456.0                | 990            |
| NYY-J, NYY-O 24 x 2,5re | Lapp 1550096  | 24 x 2,5re  | 26.0                | 576.0                | 1300           |
| NYY-J, NYY-O 30 x 2,5re | Lapp 1550097  | 30 x 2,5re  | 28.0                | 720.0                | 1400           |
| NYY-J, NYY-O 3 x 4re    | Lapp 15500583 | 3 x 4re   | 15.0                | 115.0                | 373            |
| NYY-J, NYY-O 4 x 4re    | Lapp 15500203 | 4 x 4re   | 16.0                | 154.0                | 439            |
| NYY-J, NYY-O 5 x 4re    | Lapp 15500263 | 5 x 4re   | 17.0                | 192.0                | 510            |
| NYY-J, NYY-O 3 x 6re    | Lapp 15500593 | 3 x 6re   | 16.0                | 173.0                | 466            |

| Product Name        | Lapp Nr.      | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---------------------|---------------|---|---------------------|----------------------|----------------|
| NYO 4 x 6re         | Lapp 15500213 | 4 x 6re   | 17.0                | 230.0                | 547            |
| NYO 5 x 6re         | Lapp 15500273 | 5 x 6re   | 19.0                | 288.0                | 640            |
| NYO 3 x 10re        | Lapp 15500603 | 3 x 10re  | 18.0                | 288.0                | 629            |
| NYO 4 x 10re        | Lapp 15500223 | 4 x 10re  | 19.0                | 384.0                | 743            |
| NYO 5 x 10re        | Lapp 15500823 | 5 x 10re  | 21.0                | 480.0                | 899            |
| NYO 3 x 16re        | Lapp 15500613 | 3 x 16re  | 20.0                | 461.0                | 850            |
| NYO 4 x 16re        | Lapp 15500233 | 4 x 16re  | 22.0                | 614.0                | 1039           |
| NYO 5 x 16re        | Lapp 15500833 | 5 x 16re  | 23.0                | 768.0                | 1240           |
| NYO 3 x 25rm/16re   | Lapp 15500713 | 3 x 25rm/16re                                     | 25.0                | 874.0                | 1595           |
| NYO 4 x 25rm        | Lapp 15500243 | 4 x 25rm  | 27.0                | 960.0                | 1620           |
| NYO 3 x 35sm/16re   | Lapp 15500153 | 3 x 35sm/16re                                     | 27.0                | 1162.0               | 1718           |
| NYO 4 x 35sm        | Lapp 15500753 | 4 x 35sm  | 27.0                | 1344.0               | 1916           |
| NYO 3 x 50sm/25rm   | Lapp 15500163 | 3 x 50sm/25rm                                     | 31.0                | 1680.0               | 2383           |
| NYO 4 x 50sm        | Lapp 15500253 | 4 x 50sm  | 31.0                | 1920.0               | 2639           |
| NYO 3 x 70sm/35sm   | Lapp 15500173 | 3 x 70sm/35sm                                     | 33.0                | 2352.0               | 3196           |
| NYO 4 x 70sm        | Lapp 15500763 | 4 x 70sm  | 35.0                | 2688.0               | 3576           |
| NYO 3 x 95sm/50sm   | Lapp 15500183 | 3 x 95sm/50sm                                     | 38.0                | 3216.0               | 4271           |
| NYO 4 x 95sm        | Lapp 15500773 | 4 x 95sm  | 40.0                | 3648.0               | 4746           |
| NYO 3 x 120sm/70sm  | Lapp 15500723 | 3 x 120sm/70sm                                    | 41.0                | 4128.0               | 5281           |
| NYO 4 x 120sm       | Lapp 15500783 | 4 x 120sm   | 43.0                | 4608.0               | 5813           |
| NYO 3 x 150sm/70sm  | Lapp 15500733 | 3 x 150sm/70sm                                    | 46.0                | 4992.0               | 6408           |
| NYO 4 x 150sm       | Lapp 15500793 | 4 x 150sm   | 48.0                | 5760.0               | 7263           |
| NYO 3 x 185sm/95sm  | Lapp 15500743 | 3 x 185sm/95sm                                    | 50.0                | 6240.0               | 7909           |
| NYO 4 x 185sm       | Lapp 15500803 | 4 x 185sm   | 53.0                | 7104.0               | 8905           |
| NYO 3 x 240sm/120sm | Lapp 15500193 | 3 x 240sm/120sm                                   | 57.0                | 8064.0               | 10162          |
| NYO 4 x 240sm       | Lapp 15500813 | 4 x 240sm   | 60.0                | 9216.0               | 11430          |
| <b>NYO</b>          |               |   |                     |                      |                |
| NYO 1 x 10re        | Lapp 1550205  | 1 x 10re  | 10.0                | 96.0                 | 176            |
| NYO 1 x 16re        | Lapp 1550206  | 1 x 16re  | 11.0                | 154.0                | 239            |
| NYO 1 x 25rm        | Lapp 1550207  | 1 x 25rm  | 13.0                | 240.0                | 380            |
| NYO 1 x 35rm        | Lapp 1550208  | 1 x 35rm  | 14.0                | 336.0                | 447            |
| NYO 1 x 50rm        | Lapp 1550209  | 1 x 50rm  | 15.0                | 480.0                | 650            |
| NYO 1 x 70rm        | Lapp 1550210  | 1 x 70rm  | 17.0                | 672.0                | 864            |

| Product Name           | Lapp Nr.      | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------|---------------|---|---------------------|----------------------|----------------|
| NYY-J, NYY-O 1 x 95rm  | Lapp 1550211  | 1 x 95rm  | 19.0                | 912.0                | 1132           |
| NYY-J, NYY-O 1 x 120rm | Lapp 1550212  | 1 x 120rm   | 21.0                | 1152.0               | 1405           |
| NYY-J, NYY-O 1 x 150rm | Lapp 1550213  | 1 x 150rm   | 22.0                | 1440.0               | 1710           |
| NYY-J, NYY-O 1 x 185rm | Lapp 1550214  | 1 x 185rm   | 25.0                | 1776.0               | 2080           |
| NYY-J, NYY-O 1 x 240rm | Lapp 1550215  | 1 x 240rm   | 27.0                | 2304.0               | 2669           |
| NYY-J, NYY-O 1 x 300rm | Lapp 1550216  | 1 x 300rm   | 30.0                | 2880.0               | 3305           |
| NYY-J, NYY-O 1 x 500rm | Lapp 1550218  | 1 x 500rm   | 39.0                | 4800.0               | 5400           |
| NYY-J, NYY-O 2 x 1,5re | Lapp 15502003 | 2 x 1,5re   | 11.0                | 29.0                 | 210            |
| NYY-J, NYY-O 2 x 2,5re | Lapp 15502193 | 2 x 2,5re   | 12.0                | 48.0                 | 250            |
| NYY-J, NYY-O 2 x 4re   | Lapp 15502203 | 2 x 4re   | 14.0                | 77.0                 | 360            |
| NYY-J, NYY-O 2 x 6re   | Lapp 15502213 | 2 x 6re   | 15.0                | 115.0                | 400            |
| NYY-J, NYY-O 2 x 10re  | Lapp 15502223 | 2 x 10re  | 17.0                | 192.0                | 500            |
| NYY-J, NYY-O 4 x 16re  | Lapp 15502533 | 4 x 16re  | 22.0                | 614.0                | 1039           |
| NYY-J, NYY-O 4 x 25rm  | Lapp 15502543 | 4 x 25rm  | 27.0                | 960.0                | 1620           |
| NYY-J, NYY-O 4 x 50sm  | Lapp 15502563 | 4 x 50sm  | 31.0                | 1920.0               | 2639           |
| NYY-J, NYY-O 4 x 70sm  | Lapp 15502573 | 4 x 70sm  | 35.0                | 2688.0               | 3576           |
| NYY-J, NYY-O 4 x 95sm  | Lapp 15502583 | 4 x 95sm  | 40.0                | 3648.0               | 4746           |