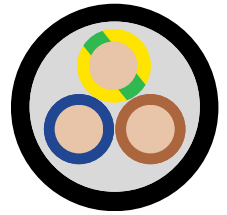




# NYY

PVC Non-Armoured LV Power Cable



## DESCRIPTION

**Conductor:** Class 1 (Solid) or Class 2 (Stranded) Bare Cu Conductor, **Insulation:** Poly-vinyl Chloride (PVC) Insulation, **Sheath:** Poly-vinyl Chloride (PVC) Black Outer Sheath.

## APPLICATION

Non-armoured power cables for fixed installation indoors or outdoors, in the ground, in water or in concrete.

## TECHNICAL DATA

**Voltage Grade:** 0.6/1kV

**Test Voltage:** 4kV

**Temperature Range:** -20°C to +70°C

**Min Bending Radius:** 15 x OD (single core),  
12 x OD (multi core)

**UV Resistant:** Yes

**Approvals/Standards:** VDE0276-603/627, IEC60332-1-2,  
VDE0482-332-1-2

IEC 60502-1, VDE 0276-603, HD 603, IEC 60228  
Flame retardant according to IEC/EN 60332-1-2

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

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# NYY

## PVC Non-Armoured LV Power Cable

| Cable Type | No. of Cores | Size | Class of Conductor | Approx. OD | Weight | Ampacity in Air | Ampacity in Ground | S.C.C. (1s) |
|------------|--------------|------|--------------------|------------|--------|-----------------|--------------------|-------------|
|            |              | mm²  |                    | mm         | Kg/Km  | A (30°C)        | A (20°C)           | kA          |
| NYY-O      | 1            | 1.5  | 1                  | 5.8        | 50     | 19              | 27                 | 0.17        |
| NYY-O      | 1            | 2.5  | 1                  | 6.2        | 60     | 28              | 39                 | 0.29        |
| NYY-O      | 1            | 4    | 1                  | 7          | 85     | 37              | 50                 | 0.46        |
| NYY-O      | 1            | 6    | 1                  | 7.5        | 105    | 47              | 62                 | 0.69        |
| NYY-O      | 1            | 10   | 2                  | 8.30       | 154    | 64              | 83                 | 1.15        |
| NYY-O      | 1            | 16   | 2                  | 9.35       | 210    | 84              | 107                | 1.84        |
| NYY-O      | 1            | 25   | 2                  | 10.9       | 320    | 114             | 138                | 2.87        |
| NYY-O      | 1            | 35   | 2                  | 12.1       | 420    | 139             | 164                | 4.02        |
| NYY-O      | 1            | 50   | 2                  | 13.8       | 555    | 169             | 195                | 5.75        |
| NYY-O      | 1            | 70   | 2                  | 15.3       | 760    | 213             | 238                | 8.05        |
| NYY-O      | 1            | 95   | 2                  | 17.6       | 1035   | 264             | 280                | 10.9        |
| NYY-O      | 1            | 120  | 2                  | 19.4       | 1280   | 307             | 325                | 13.8        |
| NYY-O      | 1            | 150  | 2                  | 21         | 1560   | 352             | 365                | 11.4        |
| NYY-O      | 1            | 185  | 2                  | 23.2       | 1945   | 406             | 413                | 21.3        |
| NYY-O      | 1            | 240  | 2                  | 26.5       | 2473   | 483             | 479                | 27.6        |
| NYY-O      | 1            | 300  | 2                  | 29.7       | 3190   | 557             | 541                | 34.5        |
| NYY-O      | 1            | 400  | 2                  | 33.5       | 4110   | 646             | 614                | 41.2        |

ALL FIGURES QUOTED ARE APPROXIMATE

| Cable Type | No. of Cores | Size | Class of Conductor | Approx. OD | Weight | Ampacity in Air | Ampacity in Ground | S.C.C. (1s) |
|------------|--------------|------|--------------------|------------|--------|-----------------|--------------------|-------------|
|            |              | mm²  |                    | mm         | Kg/Km  | A (30°C)        | A (20°C)           | kA          |
| NYY-J      | 2            | 1.5  | 1                  | 10.4       | 155    | 19              | 27                 | 0.17        |
| NYY-J      | 2            | 2.5  | 1                  | 11.2       | 190    | 25              | 36                 | 0.29        |
| NYY-J      | 2            | 4    | 1                  | 12.9       | 270    | 34              | 47                 | 0.46        |
| NYY-J      | 2            | 6    | 1                  | 14         | 330    | 43              | 59                 | 0.69        |
| NYY-J      | 2            | 10   | 2                  | 15.5       | 460    | 59              | 79                 | 1.15        |
| NYY-J      | 2            | 16   | 2                  | 18.5       | 660    | 79              | 103                | 1.84        |
| NYY-J      | 2            | 25   | 2                  | 21.2       | 940    | 106             | 133                | 2.87        |
| NYY-J      | 2            | 35   | 2                  | 23.10      | 1200   | 106             | 133                | 4.02        |

ALL FIGURES QUOTED ARE APPROXIMATE

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# NYY

## PVC Non-Armoured LV Power Cable

| Cable Type | No. of Cores | Size            | Class of Conductor | Approx. OD | Weight | Ampacity in Air | Ampacity in Ground | S.C.C. (1s) |
|------------|--------------|-----------------|--------------------|------------|--------|-----------------|--------------------|-------------|
|            |              | mm <sup>2</sup> |                    | mm         | Kg/Km  | A (30°C)        | A (20°C)           | kA          |
| NYY-J      | 3            | 1.5             | 1                  | 10.7       | 175    | 19              | 27                 | 0.17        |
| NYY-J      | 3            | 2.5             | 1                  | 11.5       | 220    | 25              | 36                 | 0.29        |
| NYY-J      | 3            | 4               | 1                  | 13.5       | 315    | 34              | 47                 | 0.46        |
| NYY-J      | 3            | 6               | 1                  | 14.5       | 395    | 43              | 59                 | 0.69        |
| NYY-J      | 3            | 10              | 2                  | 17.0       | 575    | 59              | 79                 | 1.15        |
| NYY-J      | 3            | 16              | 2                  | 18.9       | 790    | -               | -                  | -           |
| NYY-J      | 3            | 25              | 2                  | 22.3       | 1175   | 106             | 133                | 2.89        |
| NYY-J      | 3            | 35              | 2                  | 24.6       | 1525   | 129             | 159                | 4.02        |
| NYY-J      | 3            | 50              | 2                  | 25.5       | 1787   | 157             | 188                | 5.75        |
| NYY-J      | 3            | 70              | 2                  | 29.5       | 2377   | 199             | 232                | 8.05        |
| NYY-J      | 3            | 95              | 2                  | 33.6       | 3292   | 246             | 280                | 10.9        |
| NYY-J      | 3            | 120             | 2                  | 35.7       | 3995   | 285             | 318                | 13.8        |
| NYY-J      | 3            | 150             | 2                  | 39.6       | 4875   | 326             | 359                | 17.2        |
| NYY-J      | 3            | 185             | 2                  | 46.0       | 6488   | 374             | 406                | 21.3        |
| NYY-J      | 3            | 240             | 2                  | 50.5       | 8277   | 445             | 473                | 27.6        |

ALL FIGURES QUOTED ARE APPROXIMATE

| Cable Type | No. of Cores | Size            | Class of Conductor | Approx. OD | Weight | Ampacity in Air | Ampacity in Ground | S.C.C. (1s) |
|------------|--------------|-----------------|--------------------|------------|--------|-----------------|--------------------|-------------|
|            |              | mm <sup>2</sup> |                    | mm         | Kg/Km  | A (30°C)        | A (20°C)           | kA          |
| NYY-J      | 4            | 1.5             | 1                  | 11.4       | 205    | 19              | 27                 | 0.17        |
| NYY-J      | 4            | 2.5             | 1                  | 12.8       | 270    | 25              | 36                 | 0.29        |
| NYY-J      | 4            | 4               | 1                  | 14.7       | 380    | 34              | 47                 | 0.46        |
| NYY-J      | 4            | 6               | 1                  | 16         | 510    | 43              | 59                 | 0.69        |
| NYY-J      | 4            | 10              | 2                  | 18.8       | 725    | 59              | 79                 | 1.15        |
| NYY-J      | 4            | 16              | 2                  | 21.0       | 1000   | 79              | 103                | 1.84        |
| NYY-J      | 4            | 25              | 2                  | 24.6       | 1470   | 106             | 133                | 2.87        |
| NYY-J      | 4            | 35              | 2                  | 27.4       | 1925   | 129             | 159                | 4.02        |
| NYY-J      | 4            | 50              | 2                  | 29.6       | 2275   | 157             | 188                | 5.75        |
| NYY-J      | 4            | 70              | 2                  | 33.5       | 3050   | 199             | 232                | 8.05        |
| NYY-J      | 4            | 95              | 2                  | 38.6       | 4175   | 246             | 280                | 10.9        |
| NYY-J      | 4            | 120             | 2                  | 41.9       | 5160   | 285             | 318                | 13.8        |
| NYY-J      | 4            | 150             | 2                  | 46.8       | 6392   | 326             | 359                | 17.2        |
| NYY-J      | 4            | 185             | 2                  | 51.5       | 7997   | 374             | 406                | 21.3        |
| NYY-J      | 4            | 240             | 2                  | 57.7       | 10965  | 445             | 473                | 27.6        |
| NYY-J      | 4            | 300             | 2                  | 62.2       | 13125  | 511             | 535                | 34.5        |

ALL FIGURES QUOTED ARE APPROXIMATE

**TDS 3 OF 4**



# NYY

## PVC Non-Armoured LV Power Cable

| Cable Type | No. of Cores | Size            | Class of Conductor | Approx. OD | Weight | Ampacity in Air | Ampacity in Ground | S.C.C. (1s) |
|------------|--------------|-----------------|--------------------|------------|--------|-----------------|--------------------|-------------|
|            |              | mm <sup>2</sup> |                    | mm         | Kg/Km  | A (30°C)        | A (20°C)           | kA          |
| NYY-J      | 5            | 1.5             | 1                  | 12.0       | 225    | 19              | 27                 | 0.17        |
| NYY-J      | 5            | 2.5             | 1                  | 13.4       | 310    | 25              | 36                 | 0.29        |
| NYY-J      | 5            | 4               | 1                  | 16.2       | 445    | 34              | 47                 | 0.46        |
| NYY-J      | 5            | 6               | 1                  | 17.1       | 560    | 43              | 55                 | 0.69        |
| NYY-J      | 5            | 10              | 2                  | 20.4       | 805    | 59              | 79                 | 1.15        |
| NYY-J      | 5            | 16              | 2                  | 22.5       | 1130   | 79              | 103                | 1.84        |
| NYY-J      | 5            | 25              | 2                  | 28.3       | 1780   | 106             | 133                | 2.87        |
| NYY-J      | 5            | 35              | 2                  | 31.0       | 2285   | 129             | 159                | 4.02        |
| NYY-J      | 5            | 50              | 2                  | 39.9       | 3488   | 157             | 188                | 5.75        |
| NYY-J      | 5            | 70              | 2                  | 42.2       | 4425   | 199             | 232                | 8.05        |
| NYY-J      | 5            | 95              | 2                  | 49.4       | 6125   | 246             | 280                | 10.9        |
| NYY-J      | 5            | 120             | 2                  | 51.1       | 7475   | 285             | 318                | 13.8        |
| NYY-J      | 5            | 150             | 2                  | 58.2       | 8330   | 326             | 359                | 17.2        |

ALL FIGURES QUOTED ARE APPROXIMATE

| Cable Type | No. of Cores | Core Colours                           |
|------------|--------------|----------------------------------------|
| NYY-0      | 1            | BLACK                                  |
| NYY-J      | 3            | BROWN, BLUE, GREEN/YELLOW              |
| NYY-J      | 4            | BROWN, BLACK, GREY, GREEN/YELLOW       |
| NYY-J      | 5            | BROWN, BLACK, GREY, BLUE, GREEN/YELLOW |

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

**TDS 4 OF 4**

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