

NYY PVC NON-ARMORED CABLE



Solid plain copper conductors, PVC insulated, PVC filler, PVC outer sheath. Black. 600/1000 volts grade to IEC60502-1, DIN VDE 0276-603:2010-03 and HD 603 S1:1994/A3:2007. For installation indoors and outdoors as underground, or in cable ducts, installations with additional protection where mechanical damage is unexpected.



Specifications

- Temperature limits.....-20 °C to +50 °C
Max. temperature of conductor.....+70 °C
Short-circuit temperature.....+160 °C
Bending radius:
• single-core cables.....15 x overall diameter
• multi-core cables.....12 x overall diameter
Colors available: Black.
Core Identification:
• 2 cores: Brown – Blue
• 3 cores: Green/Yellow – Brown – Blue
• 4 cores: Green/ Yellow – Grey – Black – Brown
• 5 cores: Green/Yellow – Grey – Black – Brown – Blue

We reserve the right to make technical alterations and misprint without prior notice.

| ECG Code | Number of cores | Conductor Size, (mm ²) | Main core stranding* | Overall Diameter (mm) approx. | Cu Weight (Kg/km) approx. | Cable Weight (Kg/km) approx. |
|--------------|-----------------|------------------------------------|----------------------|-------------------------------|---------------------------|------------------------------|
| NYY1X1/5RE | 1 | 1.5 | 1/1.36 | 5.8 | 12.9 | 48.8 |
| NYY1X2/5RE | 1 | 2.5 | 1/1.73 | 6.1 | 20.9 | 60.4 |
| NYY1X4RE | 1 | 4 | 1/2.2 | 7 | 33.8 | 83.9 |
| NYY1X6RE | 1 | 6 | 1/2.7 | 7.5 | 50.9 | 106.4 |
| NYY1X10RE | 1 | 10 | 1/3.5 | 8.3 | 84.1 | 147.8 |
| NYY1X16RM | 1 | 16 | 7/1.67 | 9.8 | 137.7 | 221.2 |
| NYY1X25RM | 1 | 25 | 7/2.09 | 11.5 | 215.7 | 324.0 |
| NYY1X35RM | 1 | 35 | 7/2.48 | 12.6 | 299.0 | 420.7 |
| NYY1X50RM | 1 | 50 | 19/1.76 | 14.3 | 412.2 | 563.2 |
| NYY1X70RM | 1 | 70 | 19/2.13 | 16.4 | 590.4 | 774.2 |
| NYY1X95RM | 1 | 95 | 19/2.48 | 18.8 | 814.4 | 1049.5 |
| NYY1X120RM | 1 | 120 | 37/2.01 | 26.4 | 1029.8 | 1397.0 |
| NYY1X150RM | 1 | 150 | 37/2.21 | 22.4 | 1249.4 | 1561.1 |
| NYY1X185RM | 1 | 185 | 37/2.48 | 24.8 | 1548.0 | 1923.0 |
| NYY1X240RM | 1 | 240 | 37/2.84 | 27.7 | 2034.3 | 2480.0 |
| NYY1X300RM | 1 | 300 | 37/3.2 | 31.2 | 2619.5 | 3172.9 |
| NYY1X400RM** | 1 | 400 | 61/2.85 | 35.2 | 3473.8 | 4147.3 |
| NYY1X500RM** | 1 | 500 | 61/3.2 | 38.8 | 4318.6 | 5111.8 |
| NYY1X625RM** | 1 | 625 | 91/2.95 | 42.2 | 5436.5 | 6324.8 |
| NYY1X800RM** | 1 | 800 | 91/3.3 | 46.9 | 6991.4 | 8026.2 |
| NYY2X1/5RE | 2 | 1.5 | 1/1.36 | 9.5 | 26.2 | 121.2 |
| NYY2X2/5RE | 2 | 2.5 | 1/1.73 | 10.2 | 42.5 | 150.9 |
| NYY2X4RE | 2 | 4 | 1/2.2 | 12 | 68.7 | 215.2 |
| NYY2X6RE | 2 | 6 | 1/2.7 | 13 | 103.5 | 271.9 |
| NYY2X10RE | 2 | 10 | 1/3.5 | 14.5 | 171.1 | 375.3 |
| NYY2X16RM | 2 | 16 | 7/1.67 | 20.0 | 280.1 | 659.6 |
| NYY2X25RM | 2 | 25 | 7/2.09 | 23.3 | 438.7 | 949.2 |
| NYY2X35RM | 2 | 35 | 7/2.48 | 25.6 | 607. | 1206.5 |
| NYY2X50RM | 2 | 50 | 19/1.76 | 29.1 | 838.9 | 1611.7 |
| NYY2X70RM | 2 | 70 | 19/2.13 | 33.8 | 1200.8 | 2213.1 |
| NYY2X95RM | 2 | 95 | 19/2.48 | 38.3 | 1656.6 | 2936.8 |
| NYY2X120RM | 2 | 120 | 37/2.01 | 41.6 | 2081.3 | 3564.8 |
| NYY2X150RM | 2 | 150 | 37/2.21 | 45.5 | 2541.3 | 4313.9 |
| NYY2X185RM | 2 | 185 | 37/2.48 | 49.8 | 3148.7 | 5253.2 |

*The number of wires, as well as their diameter in the core, may differ from specified, subject to compliance with the requirements for electrical resistance.

| ECG Code | Number of cores | Conductor Size, (mm ²) | Main core stranding* | Overall Diameter (mm)approx. | Cu Weight (Kg/km) approx. | Cable Weight (Kg/km) approx. |
|------------|-----------------|------------------------------------|----------------------|------------------------------|---------------------------|------------------------------|
| NYY2X240RM | 2 | 240 | 37/2.84 | 56.6 | 4137.8 | 6842.9 |
| NYY3X1/5RE | 3 | 1.5 | 1/1.36 | 9.9 | 39.4 | 141.2 |
| NYY3X2/5RE | 3 | 2.5 | 1/1.73 | 10.7 | 63.8 | 179.7 |
| NYY3X4RE | 3 | 4 | 1/2.2 | 12.6 | 103.1 | 260.2 |
| NYY3X6RE | 3 | 6 | 1/2.7 | 13.7 | 155.3 | 335.1 |
| NYY3X10RE | 3 | 10 | 1/3.5 | 15.3 | 256.6 | 472.9 |
| NYY3X16RM | 3 | 16 | 7/1.67 | 21.1 | 420.2 | 822.1 |
| NYY3X25RM | 3 | 25 | 7/2.09 | 24.6 | 658.1 | 1197.5 |
| NYY3X35RM | 3 | 35 | 7/2.48 | 27.0 | 911.8 | 1539.3 |
| NYY3X50RM | 3 | 50 | 19/1.76 | 30.9 | 1258.4 | 2067.3 |
| NYY3X70RM | 3 | 70 | 19/2.13 | 36.0 | 1801.3 | 2865.4 |
| NYY3X95RM | 3 | 95 | 19/2.48 | 40.8 | 2484.9 | 3820.8 |
| NYY3X120RM | 3 | 120 | 37/2.01 | 44.4 | 3121.9 | 4657.7 |
| NYY3X150RM | 3 | 150 | 37/2.21 | 48.6 | 3811.9 | 5644.8 |
| NYY3X185RM | 3 | 185 | 37/2.48 | 53.2 | 4723.1 | 6889.4 |
| NYY3X240RM | 3 | 240 | 37/2.84 | 60.5 | 6206.7 | 8982.0 |
| NYY4X1/5RE | 4 | 1.5 | 1/1.36 | 10.7 | 52.5 | 167.3 |
| NYY4X2/5RE | 4 | 2.5 | 1/1.73 | 11.6 | 85.0 | 215.8 |
| NYY4X4RE | 4 | 4 | 1/2.2 | 13.7 | 137.5 | 315.9 |
| NYY4X6RE | 4 | 6 | 1/2.7 | 14.9 | 207.1 | 411.1 |
| NYY4X10RE | 4 | 10 | 1/3.5 | 16.8 | 342.2 | 587.1 |
| NYY4X16RM | 4 | 16 | 7/1.67 | 22.9 | 560.2 | 1021.1 |
| NYY4X25RM | 4 | 25 | 7/2.09 | 26.9 | 877.5 | 1498.5 |
| NYY4X35RM | 4 | 35 | 7/2.48 | 29.8 | 1215.7 | 1950.2 |
| NYY4X50RM | 4 | 50 | 19/1.76 | 34.0 | 1677.9 | 2625.0 |
| NYY4X70RM | 4 | 70 | 19/2.13 | 39.7 | 2401.7 | 3639.4 |
| NYY4X95RM | 4 | 95 | 19/2.48 | 45.1 | 3313.2 | 4863.7 |
| NYY4X120RM | 4 | 120 | 37/2.01 | 49.0 | 4162.5 | 5940.2 |
| NYY4X150RM | 4 | 150 | 37/2.21 | 53.9 | 5082.6 | 7229.8 |
| NYY4X185RM | 4 | 185 | 37/2.48 | 59.6 | 6297.5 | 8900.2 |
| NYY4X240RM | 4 | 240 | 37/2.84 | 67.1 | 8275.6 | 11510 |
| NYY5X1/5RE | 5 | 1.5 | 1/1.36 | 11.6 | 65.7 | 195.0 |
| NYY5X2/5RE | 5 | 2.5 | 1/1.73 | 12.6 | 106.3 | 253.9 |
| NYY5X4RE | 5 | 4 | 1/2.2 | 14.9 | 171.9 | 374.4 |

*The number of wires, as well as their diameter in the core, may differ from specified, subject to compliance with the requirements for electrical resistance.

| ECG Code | Number of cores | Conductor Size, (mm ²) | Main core stranding* | Overall Diameter (mm) approx. | Cu Weight (Kg/km) approx. | Cable Weight (Kg/km) approx. |
|------------------|-----------------|------------------------------------|----------------------|-------------------------------|---------------------------|------------------------------|
| NYY5X6RE | 5 | 6 | 1/2.7 | 16.3 | 258.9 | 490.5 |
| NYY5X10RE | 5 | 10 | 1/3.5 | 18.3 | 427.7 | 705.7 |
| NYY5X16RM | 5 | 16 | 7/1.67 | 24.9 | 700.3 | 1238.1 |
| NYY5X25RM | 5 | 25 | 7/2.09 | 29.61 | 1096.9 | 1839.2 |
| NYY5X35RM | 5 | 35 | 7/2.48 | 32.81 | 1519.6 | 2397.6 |
| NYY5X50RM | 5 | 50 | 19/1.76 | 37.77 | 2097.3 | 3248.5 |
| NYY5X70RM | 5 | 70 | 19/2.13 | 43.98 | 3002.1 | 4499.1 |
| NYY5X95RM | 5 | 95 | 19/2.48 | 49.92 | 4141.5 | 6015.6 |
| NYY5X120RM | 5 | 120 | 37/2.01 | 54.3 | 5203.2 | 7351.2 |
| NYY5X150RM | 5 | 150 | 37/2.21 | 59.75 | 6353.2 | 8947.5 |
| NYY5X185RM | 5 | 185 | 37/2.48 | 66.01 | 7871.9 | 11007.9 |
| NYY5X240RM | 5 | 240 | 37/2.84 | 74.9 | 10344.5 | 14336.5 |
| NYY3X4+1X2/5RE | 3+E | 4/2.5 | 1/2.2 | 15.7 | 124.4 | 388 |
| NYY3X6+1X4RE | 3+E | 6/4 | 1/2.7 | 16.8 | 189.8 | 488 |
| NYY3X10+1X6RE | 3+E | 10/6 | 1/3.5 | 18.8 | 308.5 | 661 |
| NYY3X16+1X10RM | 3+E | 16/10 | 7/1.67 | 22.92 | 505.8 | 990 |
| NYY3X25+1X16RM | 3+E | 25/16 | 7/2.09 | 26.93 | 798.2 | 1445 |
| NYY3X35+1X16RM | 3+E | 35/16 | 7/2.48 | 29.81 | 1051.8 | 1816.4 |
| NYY3X50+1X25RM | 3+E | 50/25 | 19/1.76 | 34.09 | 1477.8 | 2461.2 |
| NYY3X70+1X35RM | 3+E | 70/35 | 19/2.13 | 38.0 | 2105.2 | 3331 |
| NYY3X95+1X70RM | 3+E | 95/70 | 19/2.48 | 43.7 | 3085.3 | 4650 |
| NYY3X120+1X70RM | 3+E | 120/70 | 37/2.01 | 47.5 | 3722.3 | 5543 |
| NYY3X150+1X70RM | 3+E | 150/70 | 37/2.21 | 52.9 | 4412.4 | 6693 |
| NYY3X185+1X95RM | 3+E | 185/95 | 37/2.48 | 58.6 | 5551.5 | 8312 |
| NYY3X240+1X120RM | 3+E | 240/120 | 37/2.84 | 65.8 | 7247.3 | 10677.0 |
| NYY4X50SM | 4 | 50 | 19/1.76 | 29.3 | 1719 | 2422.9 |
| NYY4X70SM | 4 | 70 | 19/2.13 | 34.1 | 2395 | 3 175.8 |
| NYY4X95SM | 4 | 95 | 19/2.48 | 38.7 | 3274 | 4 301.9 |
| NYY4X120SM | 4 | 120 | 37/2.01 | 42.9 | 4140 | 5 276.0 |
| NYY4X150SM | 4 | 150 | 37/2.21 | 46.9 | 5022 | 6 420.3 |
| NYY4X185SM | 4 | 185 | 37/2.48 | 52.1 | 6223 | 7 877.8 |
| NYY4X240SM | 4 | 240 | 37/2.84 | 60.3 | 8178 | 10 246.1 |

*The number of wires, as well as their diameter in the core, may differ from specified, subject to compliance with the requirements for electrical resistance.