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# FLEXIBLE CABLES



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INDONESIA

ISO 9001 QUALITY SYSTEM
ISO 14001 ENVIRONMENTAL SYSTEM
ISO 45001 HEALTH & SAFETY SYSTEM
SMK3 PP NO 50/2012

PT KMI Wire and Cable Tbk

# CU/PVC

## NYAF

Flexible Copper Conductor, PVC Insulated



Applications:

- Power cord or internal wiring with low mechanical stress for electrical equipments, machineries, distribution panels, luminaires and other electrical used in dry indoor premises, substitutes NYA.
- Permanent instalation in conduit, inherently flame retardant in compliance with IEC 60332-1.

*Rated Voltage : 300/500 V*
*Standard Specification : SNI 04-6629.3 : 2006 (IEC 06)*

| Cable Size (No. of core x Conductor Area) | Conductor Make-up (No.of wire x Diameter) | DC Resistance at 20°C Conductor | DC Resistance at 70°C Insulation | Current Carrying Capacity in air 30°C | Short Circuit Current 1 Sec. | Insulation/ Thickness | Overall Diameter | Cable Weight | Standard Packing Length * |
|---|---|---|---|---|---|---|---|---|---|
| *nom. ($mm^2$)* | *nom. (mm)* | *max. (ohm/km)* | *min. (Mohm.km)* | *max. (A)* | *max. (A)* | *nom. (mm)* | *approx. (mm)* | *approx. (kg/km)* | *(meter/ packing)* |
| 0.5 | 16 x 0.20 | 39.0 | 0.013 | 6 | 58 | 0.6 | 2.2 | 9 | 100/c |
| 0.75 | 24 x 0.20 | 26.0 | 0.011 | 10 | 86 | 0.6 | 2.3 | 12 | 100/c |
| 1.00 | 32 x 0.20 | 19.5 | 0.010 | 16 | 115 | 0.6 | 2.6 | 16 | 100/c |

*Test Voltage : 2,000 VAC/5 minutes*

*Rated Voltage : 450/750 V*
*Standard Specification : SNI 04-6629.3 : 2006 (IEC 02)*

| Cable Size (No. of core x Conductor Area) | Conductor Make-up (No.of wire x Diameter) | DC Resistance at 20°C Conductor | DC Resistance at 70°C Insulation | Current Carrying Capacity in air 30°C | Short Circuit Current 1 Sec. | Insulation/ Thickness | Overall Diameter | Cable Weight | Standard Packing Length * |
|---|---|---|---|---|---|---|---|---|---|
| *nom. ($mm^2$)* | *nom. (mm)* | *max. (ohm/km)* | *min. (Mohm.km)* | *max. (A)* | *max. (A)* | *nom. (mm)* | *approx. (mm)* | *approx. (kg/km)* | *(meter/ packing)* |
| 1.5 | 30 x 0.25 | 13.3 | 0.010 | 24 | 173 | 0.7 | 3.2 | 22 | 100/c |
| 2.5 | 50 x 0.25 | 7.98 | 0.009 | 32 | 288 | 0.8 | 3.9 | 35 | 100/c |
| 4 | 56 x 0.30 | 4.95 | 0.007 | 41 | 460 | 0.8 | 4.4 | 52 | 100/c |
| 6 | 84 x 0.30 | 3.30 | 0.006 | 53 | 690 | 0.8 | 5.0 | 73 | 100/c |
| 10 | 80 x 0.40 | 1.91 | 0.0056 | 72 | 1,150 | 1.0 | 6.4 | 122 | 100/c |
| 16 | 126 x 0.40 | 1.21 | 0.0046 | 97 | 1,840 | 1.0 | 7.4 | 180 | 100/c |
| 25 | 196 x 0.40 | 0.78 | 0.0044 | 128 | 2,875 | 1.2 | 9.3 | 275 | 1,000/d |
| 35 | 276 x 0.40 | 0.554 | 0.0038 | 156 | 4,025 | 1.2 | 10.5 | 347 | 1,000/d |
| 50 | 396 x 0.40 | 0.386 | 0.0037 | 195 | 5,750 | 1.4 | 12.4 | 531 | 1,000/d |
| 70 | 360 x 0.50 | 0.272 | 0.0032 | 243 | 8,050 | 1.4 | 14.2 | 735 | 1,000/d |
| 95 | 475 x 0.50 | 0.206 | 0.0032 | 287 | 10,925 | 1.6 | 16.5 | 969 | 1,000/d |
| 120 | 608 x 0.50 | 0.161 | 0.0029 | 342 | 13,801 | 1.6 | 18.5 | 1,279 | 1,000/d |
| 150 | 756 x 0.50 | 0.129 | 0.0029 | 386 | 17,251 | 1.8 | 20.3 | 1,559 | 1,000/d |
| 185 | 925 x 0.50 | 0.106 | 0.0029 | 441 | 21,276 | 2.0 | 22.6 | 1,899 | 500/d |
| 240 | 1221 x 0.50 | 0.0801 | 0.0028 | 520 | 27,601 | 2.2 | 25.7 | 2,479 | 500/d |

*Test Voltage : 2,500 VAC/5 minutes*
* *c = coil  d = drum*

*PT KMI Wire and Cable Tbk reserves the right to change the data content without prior notification*


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rhemacomm

# CU/PVC/PVC 0.6/1 kV

## NYY Flexible (Black Colored Sheath)

*Standard Specification: SNI IEC 60502-1 : 2009*

Flexible Copper Conductor, PVC Insulated, PVC Sheathed



Applications:

- Power cord or internal wiring with medium mechanical stress for electrical equipments, machineries, luminaires and other portable appliances in dry indoor premises and outdoor application.
- Permanent exposed wiring in humid environment, installation in tray or under plaster for industrial three phase 380 - 415 VAC or single phase 220 - 240 VAC multipurpose application, inherently flame retardant in compliance with IEC 60332-1.

| Cable Size *(No. of core x Conductor Area)* | Conductor Make-up *(No.of wire x Diameter)* | DC Resistance at 20°C Conductor | DC Resistance at 70°C Insulation | Current Carrying Capacity in air 30°C | Short Circuit Current 1 Sec. | Insulation/ Sheath Thickness | Overall Diameter | Cable Weight | Standard Packing Length * |
|---|---|---|---|---|---|---|---|---|---|
| *nom. ($mm^2$)* | *nom. (mm)* | *max. (ohm/km)* | *min. (Mohm.km)* | *max. (A)* | *max. (A)* | *nom. (mm)* | *approx. (mm)* | *approx. (kg/km)* | *(meter/ packing)* |
| 1 x 35 | 276 x 0.40 | 0.554 | 0.004 | 136 | 4,025 | 1.2 / 1.4 | 13.2 | 440 | 1,000/d |
| 1 x 50 | 396 x 0.40 | 0.386 | 0.004 | 173 | 5,750 | 1.4 / 1.4 | 15.1 | 615 | 1,000/d |
| 1 x 70 | 360 x 0.50 | 0.272 | 0.004 | 217 | 8,050 | 1.4 / 1.4 | 17.0 | 831 | 1,000/d |
| 1 x 95 | 475 x 0.50 | 0.206 | 0.004 | 261 | 10,925 | 1.6 / 1.5 | 19.2 | 1,083 | 1,000/d |
| 1 x 120 | 608 x 0.50 | 0.161 | 0.003 | 307 | 13,801 | 1.6 / 1.5 | 20.9 | 1,345 | 1,000/d |
| 1 x 150 | 756 x 0.50 | 0.129 | 0.003 | 355 | 17,251 | 1.8 / 1.6 | 23.2 | 1,663 | 1,000/d |
| 1 x 185 | 925 x 0.50 | 0.106 | 0.003 | 405 | 21,276 | 2.0 / 1.7 | 25.6 | 2,030 | 1,000/d |
| 1 x 240 | 1221 x 0.50 | 0.0801 | 0.003 | 486 | 27,601 | 2.2 / 1.8 | 28.9 | 2,643 | 1,000/d |
| 1 x 300 | 1530 x 0.50 | 0.0641 | 0.003 | 560 | 34,501 | 2.4 / 1.9 | 31.9 | 3,283 | 1,000/d |
| 1 x 400 | 2035 x 0.50 | 0.0486 | 0.003 | 666 | 46,002 | 2.6 / 2.0 | 36.1 | 4,294 | 1,000/d |
| 2 x 4 | 56 x 0.30 | 4.95 | 0.007 | 38 | 460 | 1.0 / 1.8 | 13.0 | 241 | 1,000/d |
| 2 x 6 | 84 x 0.30 | 3.30 | 0.006 | 49 | 690 | 1.0 / 1.8 | 14.5 | 312 | 1,000/d |
| 2 x 10 | 80 x 0.40 | 1.91 | 0.006 | 68 | 1,150 | 1.0 / 1.8 | 16.5 | 439 | 1,000/d |
| 2 x 16 | 126 x 0.40 | 1.21 | 0.005 | 90 | 1,840 | 1.0 / 1.8 | 20.0 | 660 | 1,000/d |
| 2 x 25 | 196 x 0.40 | 0.78 | 0.005 | 119 | 2,875 | 1.2 / 1.8 | 23.4 | 952 | 1,000/d |
| 2 x 35 | 276 x 0.40 | 0.554 | 0.004 | 147 | 4,025 | 1.2 / 1.8 | 25.9 | 1,229 | 1,000/d |
| 2 x 50 | 396 x 0.40 | 0.386 | 0.004 | 185 | 5,750 | 1.4 / 1.8 | 30.2 | 1,626 | 1,000/d |
| 2 x 70 | 360 x 0.50 | 0.272 | 0.004 | 232 | 8,050 | 1.4 / 1.9 | 34.1 | 2,160 | 1,000/d |
| 2 x 95 | 475 x 0.50 | 0.206 | 0.004 | 276 | 10,925 | 1.6 / 2.0 | 38.7 | 2,813 | 1,000/d |
| 2 x 120 | 608 x 0.50 | 0.161 | 0.003 | 323 | 13,801 | 1.6 / 2.1 | 42.4 | 3,456 | 1,000/d |
| 2 x 150 | 756 x 0.50 | 0.129 | 0.003 | 371 | 17,251 | 1.8 / 2.2 | 46.8 | 4,222 | 1,000/d |
| 2 x 185 | 925 x 0.50 | 0.106 | 0.003 | 418 | 21,276 | 2.0 / 2.4 | 51.6 | 5,127 | 1,000/d |
| 2 x 240 | 1221 x 0.50 | 0.0801 | 0.003 | 496 | 27,601 | 2.2 / 2.6 | 58.5 | 6,669 | 1,000/d |
| 2 x 300 | 1530 x 0.50 | 0.0641 | 0.003 | 567 | 34,501 | 2.4 / 2.7 | 64.5 | 8,688 | 1,000/d |
| 3 x 4 | 56 x 0.30 | 4.95 | 0.007 | 32 | 460 | 1.0 / 1.8 | 13.7 | 289 | 1,000/d |
| 3 x 6 | 84 x 0.30 | 3.30 | 0.006 | 42 | 690 | 1.0 / 1.8 | 15.3 | 379 | 1,000/d |
| 3 x 10 | 80 x 0.40 | 1.91 | 0.006 | 58 | 1,150 | 1.0 / 1.8 | 17.5 | 544 | 1,000/d |
| 3 x 16 | 126 x 0.40 | 1.21 | 0.005 | 77 | 1,840 | 1.0 / 1.8 | 21.1 | 822 | 1,000/d |
| 3 x 25 | 196 x 0.40 | 0.78 | 0.005 | 102 | 2,875 | 1.2 / 1.8 | 24.9 | 1,200 | 1,000/d |
| 3 x 35 | 276 x 0.40 | 0.554 | 0.004 | 126 | 4,025 | 1.2 / 1.8 | 27.5 | 1,565 | 1,000/d |
| 3 x 50 | 396 x 0.40 | 0.386 | 0.004 | 159 | 5,750 | 1.4 / 1.8 | 32.2 | 2,105 | 1,000/d |
| 3 x 70 | 360 x 0.50 | 0.272 | 0.004 | 199 | 8,050 | 1.4 / 1.9 | 36.5 | 2,854 | 1,000/d |
| 3 x 95 | 475 x 0.50 | 0.206 | 0.004 | 237 | 10,925 | 1.6 / 2.1 | 41.5 | 3,707 | 1,000/d |
| 3 x 120 | 608 x 0.50 | 0.161 | 0.003 | 278 | 13,801 | 1.6 / 2.2 | 45.4 | 4,589 | 1,000/d |
| 3 x 150 | 756 x 0.50 | 0.129 | 0.003 | 318 | 17,251 | 1.8 / 2.3 | 50.1 | 5,630 | 1,000/d |
| 3 x 185 | 925 x 0.50 | 0.106 | 0.003 | 360 | 21,276 | 2.0 / 2.5 | 55.5 | 6,895 | 1,000/d |
| 3 x 240 | 1221 x 0.50 | 0.0801 | 0.003 | 427 | 27,601 | 2.2 / 2.7 | 62.6 | 8,940 | 1,000/d |
| 3 x 300 | 1530 x 0.50 | 0.0641 | 0.003 | 488 | 34,501 | 2.4 / 2.9 | 69.3 | 11,798 | 1,000/d |
| 4 x 4 | 56 x 0.30 | 4.95 | 0.007 | 30 | 460 | 1.0 / 1.8 | 14.9 | 349 | 1,000/d |
| 4 x 6 | 84 x 0.30 | 3.30 | 0.006 | 38 | 690 | 1.0 / 1.8 | 16.7 | 462 | 1,000/d |
| 4 x 10 | 80 x 0.40 | 1.91 | 0.006 | 53 | 1,150 | 1.0 / 1.8 | 19.1 | 679 | 1,000/d |
| 4 x 16 | 126 x 0.40 | 1.21 | 0.005 | 70 | 1,840 | 1.0 / 1.8 | 23.0 | 1,025 | 1,000/d |
| 4 x 25 | 196 x 0.40 | 0.78 | 0.005 | 93 | 2,875 | 1.2 / 1.8 | 27.2 | 1,509 | 1,000/d |
| 4 x 35 | 276 x 0.40 | 0.554 | 0.004 | 116 | 4,025 | 1.2 / 1.8 | 30.3 | 1,980 | 1,000/d |
| 4 x 50 | 396 x 0.40 | 0.386 | 0.004 | 146 | 5,750 | 1.4 / 1.9 | 35.8 | 2,724 | 1,000/d |
| 4 x 70 | 360 x 0.50 | 0.272 | 0.004 | 182 | 8,050 | 1.4 / 2.1 | 40.6 | 3,692 | 1,000/d |
| 4 x 95 | 475 x 0.50 | 0.206 | 0.004 | 218 | 10,925 | 1.6 / 2.2 | 45.9 | 4,784 | 1,000/d |
| 4 x 120 | 608 x 0.50 | 0.161 | 0.003 | 255 | 13,801 | 1.6 / 2.3 | 50.3 | 5,929 | 1,000/d |
| 4 x 150 | 756 x 0.50 | 0.129 | 0.003 | 293 | 17,251 | 1.8 / 2.5 | 56.0 | 7,361 | 1,000/d |
| 4 x 185 | 925 x 0.50 | 0.106 | 0.003 | 331 | 21,276 | 2.0 / 2.7 | 61.7 | 8,960 | 1,000/d |
| 4 x 240 | 1221 x 0.50 | 0.0801 | 0.003 | 394 | 27,601 | 2.2 / 2.9 | 69.6 | 11,637 | 1,000/d |
| 4 x 300 | 1530 x 0.50 | 0.0641 | 0.003 | 452 | 34,501 | 2.4 / 3.1 | 77.3 | 15,443 | 1,000/d |
| 5 x 35 | 276 x 0.40 | 0.554 | 0.004 | 109 | 4,025 | 1.2 / 1.9 | 33.5 | 2,442 | 1,000/d |
| 5 x 50 | 396 x 0.40 | 0.386 | 0.004 | 137 | 5,750 | 1.4 / 2.0 | 39.6 | 3,393 | 1,000/d |

*Test Voltage : 3,500 VAC/5 minutes*

* *d = drum*

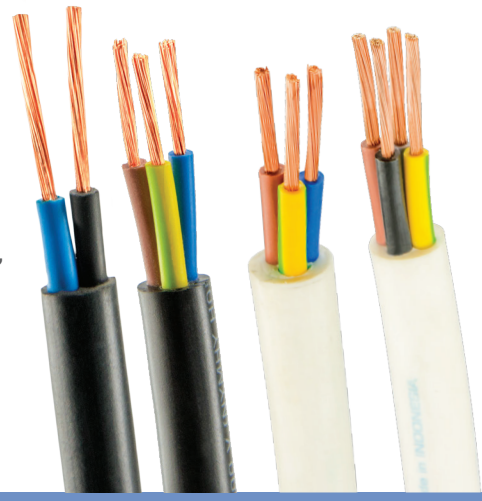
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# CU/PVC/PVC 300/500 V

## NYMHY (White Colored Sheath)
## NYMHY H05VVF (Black Colored Sheath)

*Standard Specification: SNI 04-6629.5 : 2006 (IEC 53)*

*Flexible Copper Conductor, PVC Insulated, PVC Sheathed*



Applications:

- Power cord or internal wiring with low mechanical stress for electrical equipments, machineries, luminaires and other portable appliances use in dry indoor premises (NYMHY - white colored sheath) and outdoor application (NYMHY H05VVF - black colored sheath)
- Permanent exposed wiring in humid environment, installation in tray or under plaster for general purpose 220 - 240 VAC single phase domestical application, inherently flame retardant in compliance with IEC 60332-1.

| Cable Size (No. of core x Conductor Area) | Conductor Make-up (No.of wire x Diameter) | DC Resistance at 20˚C Conductor | DC Resistance at 70˚C Insulation | Current Carrying Capacity in air 30˚C | Short Circuit Current 1 Sec. | Insulation/ Sheath Thickness | Overall Diameter | Cable Weight | Standard Packing Length * |
|---|---|---|---|---|---|---|---|---|---|
| *nom. ($mm^2$)* | *nom. (mm)* | *max. (ohm/km)* | *min. (Mohm.km)* | *max. (A)* | *max. (A)* | *nom. (mm)* | *approx. (mm)* | *approx. (kg/km)* | *(meter/ packing)* |
| 2 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 6 | 86 | 0.6 / 0.8 | 6.2 | 57 | 100/c |
| 2 x 1 | 32 x 0.20 | 19.5 | 0.010 | 10 | 115 | 0.6 / 0.8 | 6.8 | 70 | 100/c |
| 2 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 15 | 173 | 0.7 / 0.8 | 7.9 | 94 | 100/c |
| 2 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 20 | 288 | 0.8 / 1.0 | 9.8 | 146 | 100/c |
| 3 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 6 | 86 | 0.6 / 0.8 | 6.5 | 69 | 100/c |
| 3 x 1 | 32 x 0.20 | 19.5 | 0.010 | 10 | 115 | 0.6 / 0.8 | 7.2 | 84 | 100/c |
| 3 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 15 | 173 | 0.7 / 0.9 | 8.6 | 118 | 100/c |
| 3 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 20 | 288 | 0.8 / 1.1 | 10.6 | 182 | 100/c |
| 4 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 6 | 86 | 0.6 / 0.8 | 7.1 | 84 | 100/c |
| 4 x 1 | 32 x 0.20 | 19.5 | 0.010 | 10 | 115 | 0.6 / 0.9 | 8.1 | 107 | 100/c |
| 4 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 15 | 173 | 0.7 / 1.0 | 9.6 | 149 | 100/c |
| 4 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 20 | 288 | 0.8 / 1.1 | 11.6 | 225 | 100/c |
| 5 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 6 | 86 | 0.6 / 0.9 | 8.0 | 105 | 100/c |
| 5 x 1 | 32 x 0.20 | 19.5 | 0.010 | 10 | 115 | 0.6 / 0.9 | 8.9 | 129 | 100/c |
| 5 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 15 | 173 | 0.7 / 1.1 | 10.7 | 185 | 100/c |
| 5 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 20 | 288 | 0.8 / 1.2 | 12.9 | 279 | 1,000/d |

*Test Voltage : 2,000 VAC/5 minutes, except for insulation thickness less than 0.7 mm (1,500 VAC/5 minutes)*

* *c = coil  d = drum*

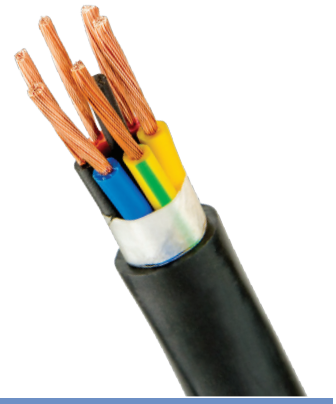
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# CU/PVC/PVC 300/500 V

## NYYHY H05VVF (Black Colored Sheath)

*Standard Specification: IEC 60227-7 : 2012 & SNI 04-6629.7 : 2006 (IEC 75)*

*Flexible Copper Conductor, PVC Insulated, PVC Sheathed*



Applications:

- Power cord or internal wiring with medium mechanical stress for electrical equipments, machineries, luminaires and other portable appliances in dry indoor premises or outdoor application.
- Permanent exposed wiring in humid environment, installation in tray or under plaster for industrial three phase 380 - 415 VAC or single phase 220 - 240 VAC multipurpose application, inherently flame retardant in compliance with IEC 60332-1.

| Cable Size (No. of core x Conductor Area) | Conductor Make-up (No.of wire x Diameter) | DC Resistance at 20°C Conductor | DC Resistance at 70°C Insulation | Current Carrying Capacity in air 30°C | Short Circuit Current 1 Sec. | Insulation/ Sheath Thickness | Overall Diameter | Cable Weight | Standard Packing Length * |
|---|---|---|---|---|---|---|---|---|---|
| *nom. ($mm^2$)* | *nom. (mm)* | *max. (ohm/km)* | *min. (Mohm.km)* | *max. (A)* | *max. (A)* | *nom. (mm)* | *approx. (mm)* | *approx. (kg/km)* | *(meter/ packing)* |
| 6 x 0.5 | 16 x 0.20 | 39.0 | 0.013 | 5 | 58 | 0.6 / 0.9 | 8.8 | 108 | 100/c |
| 6 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 7 | 86 | 0.6 / 0.9 | 9.5 | 132 | 100/c |
| 6 x 1 | 32 x 0.20 | 19.5 | 0.010 | 9 | 115 | 0.6 / 1.0 | 10.2 | 160 | 100/c |
| 6 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 12 | 173 | 0.7 / 1.1 | 11.9 | 222 | 100/c |
| 6 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 16 | 288 | 0.8 / 1.2 | 14.1 | 330 | 1,000/d |
| 7 x 0.5 | 16 x 0.20 | 39.0 | 0.013 | 5 | 58 | 0.6 / 0.9 | 8.8 | 111 | 100/c |
| 7 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 6 | 86 | 0.6 / 1.0 | 9.5 | 137 | 100/c |
| 7 x 1 | 32 x 0.20 | 19.5 | 0.010 | 8 | 115 | 0.6 / 1.0 | 10.2 | 166 | 100/c |
| 7 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 11 | 173 | 0.7 / 1.2 | 11.9 | 231 | 100/c |
| 7 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 15 | 288 | 0.8 / 1.3 | 14.1 | 347 | 1,000/d |
| 12 x 0.5 | 16 x 0.20 | 39.0 | 0.013 | 4 | 58 | 0.6 / 1.1 | 11.9 | 181 | 100/c |
| 12 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 5 | 86 | 0.6 / 1.1 | 12.8 | 224 | 100/c |
| 12 x 1 | 32 x 0.20 | 19.5 | 0.010 | 7 | 115 | 0.6 / 1.2 | 13.7 | 271 | 1,000/d |
| 12 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 9 | 173 | 0.7 / 1.3 | 16.0 | 375 | 1,000/d |
| 12 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 13 | 288 | 0.8 / 1.5 | 19.3 | 572 | 1,000/d |
| 18 x 0.5 | 16 x 0.20 | 39.0 | 0.013 | 3 | 58 | 0.6 / 1.2 | 13.8 | 252 | 100/c |
| 18 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 4 | 86 | 0.6 / 1.3 | 15.1 | 322 | 1,000/d |
| 18 x 1 | 32 x 0.20 | 19.5 | 0.010 | 6 | 115 | 0.6 / 1.3 | 16.0 | 380 | 1,000/d |
| 18 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 8 | 173 | 0.7 / 1.5 | 18.9 | 538 | 1,000/d |
| 18 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 11 | 288 | 0.8 / 1.8 | 22.9 | 831 | 1,000/d |
| 27 x 0.5 | 16 x 0.20 | 39.0 | 0.013 | 3 | 58 | 0.6 / 1.4 | 16.9 | 372 | 1,000/d |
| 27 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 4 | 86 | 0.6 / 1.5 | 18.5 | 474 | 1,000/d |
| 27 x 1 | 32 x 0.20 | 19.5 | 0.010 | 5 | 115 | 0.6 / 1.5 | 19.6 | 562 | 1,000/d |
| 27 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 7 | 173 | 0.7 / 1.8 | 23.2 | 804 | 1,000/d |
| 27 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 10 | 288 | 0.8 / 2.1 | 28.1 | 1,234 | 1,000/d |
| 36 x 0.5 | 16 x 0.20 | 39.0 | 0.013 | 2 | 58 | 0.6 / 1.5 | 18.9 | 480 | 1,000/d |
| 36 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 3 | 86 | 0.6 / 1.6 | 20.6 | 613 | 1,000/d |
| 36 x 1 | 32 x 0.20 | 19.5 | 0.010 | 5 | 115 | 0.6 / 1.7 | 22.1 | 740 | 1,000/d |
| 36 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 6 | 173 | 0.7 / 2.0 | 26.1 | 1,054 | 1,000/d |
| 36 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 9 | 288 | 0.8 / 2.3 | 31.5 | 1,615 | 1,000/d |
| 48 x 0.5 | 16 x 0.20 | 39.0 | 0.013 | 2 | 58 | 0.6 / 1.7 | 21.9 | 632 | 1,000/d |
| 48 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 3 | 86 | 0.6 / 1.8 | 23.9 | 807 | 1,000/d |
| 48 x 1 | 32 x 0.20 | 19.5 | 0.010 | 4 | 115 | 0.6 / 1.9 | 25.6 | 972 | 1,000/d |
| 48 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 6 | 173 | 0.7 / 2.2 | 30.2 | 1,381 | 1,000/d |
| 48 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 8 | 288 | 0.8 / 2.4 | 36.3 | 2,094 | 1,000/d |
| 60 x 0.5 | 16 x 0.20 | 39.0 | 0.013 | 2 | 58 | 0.6 / 1.8 | 23.9 | 768 | 1,000/d |
| 60 x 0.75 | 24 x 0.20 | 26.0 | 0.011 | 3 | 86 | 0.6 / 2.0 | 26.3 | 995 | 1,000/d |
| 60 x 1 | 32 x 0.20 | 19.5 | 0.010 | 4 | 115 | 0.6 / 2.1 | 28.1 | 1,199 | 1,000/d |
| 60 x 1.5 | 30 x 0.25 | 13.3 | 0.010 | 5 | 173 | 0.7 / 2.4 | 33.1 | 1,698 | 1,000/d |
| 60 x 2.5 | 50 x 0.25 | 7.98 | 0.009 | 8 | 288 | 0.8 / 2.4 | 39.3 | 2,535 | 1,000/d |

*Test Voltage : 2,000 VAC/5 minutes, except for insulation thickness less than 0.7 mm (1,500 VAC/5 minutes)*

* *c = coil  d = drum*

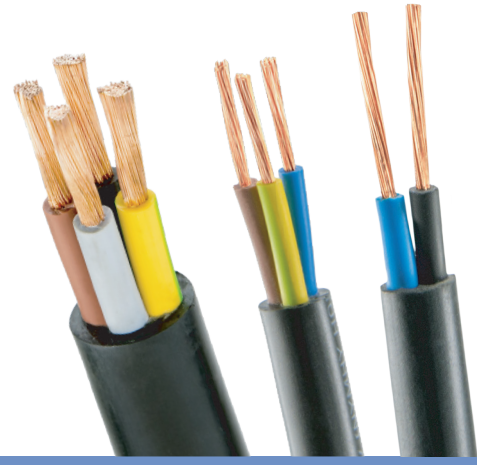
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# CU/PVC/PVC 450/750 V

## NYYHY H07VVF (Black Colored Sheath)

*Standard Specification: IEC 60227-6 : 2001 (IEC 71c)*

*Flexible Copper Conductor, PVC Insulated, PVC Sheathed*



Applications:

- Power cord or internal wiring with medium mechanical stress for electrical equipments, machineries, luminaires and other portable appliances in dry indoor premises and outdoor application.
- Permanent exposed wiring in humid environment, installation in tray or under plaster for industrial three phase 380 - 415 VAC or single phase 220 - 240 VAC multipurpose application, inherently flame retardant in compliance with IEC 60332-1.

| Cable Size (No. of core x Conductor Area) | Conductor Make-up (No.of wire x Diameter) | DC Resistance at 20˚C Conductor | DC Resistance at 70˚C Insulation | Current Carrying Capacity in air 30˚C | Short Circuit Current 1 Sec. | Insulation/ Sheath Thickness | Overall Diameter | Cable Weight | Standard Packing Length * |
|---|---|---|---|---|---|---|---|---|---|
| *nom. ($mm^2$)* | *nom. (mm)* | *max. (ohm/km)* | *min. (Mohm.km)* | *max. (A)* | *max. (A)* | *nom. (mm)* | *approx. (mm)* | *approx. (kg/km)* | *(meter/ packing)* |
| 2 x 4 | 56 x 0.30 | 4.95 | 0.007 | 26 | 460 | 0.8 / 1.0 | 10.5 | 189 | 100/c |
| 2 x 6 | 84 x 0.30 | 3.30 | 0.006 | 33 | 690 | 0.8 / 1.0 | 12.0 | 256 | 100/c |
| 2 x 10 | 80 x 0.40 | 1.91 | 0.0056 | 45 | 1,150 | 1.0 / 1.3 | 15.5 | 428 | 1,000/d |
| 2 x 16 | 126 x 0.40 | 1.21 | 0.0046 | 61 | 1,840 | 1.0 / 1.3 | 17.6 | 596 | 1,000/d |
| 2 x 25 | 196 x 0.40 | 0.78 | 0.0044 | 80 | 2,875 | 1.2 / 1.6 | 21.8 | 914 | 1,000/d |
| 3 x 4 | 56 x 0.30 | 4.95 | 0.007 | 26 | 460 | 0.8 / 1.0 | 11.1 | 232 | 100/c |
| 3 x 6 | 84 x 0.30 | 3.30 | 0.006 | 33 | 690 | 0.8 / 1.3 | 13.4 | 337 | 1,000/d |
| 3 x 10 | 80 x 0.40 | 1.91 | 0.0056 | 45 | 1,150 | 1.0 / 1.3 | 16.4 | 530 | 1,000/d |
| 3 x 16 | 126 x 0.40 | 1.21 | 0.0046 | 61 | 1,840 | 1.0 / 1.3 | 18.8 | 751 | 1,000/d |
| 3 x 25 | 196 x 0.40 | 0.78 | 0.0044 | 80 | 2,875 | 1.2 / 1.6 | 23.2 | 1,153 | 1,000/d |
| 4 x 4 | 56 x 0.30 | 4.95 | 0.007 | 26 | 460 | 0.8 / 1.3 | 12.9 | 305 | 1,000/d |
| 4 x 6 | 84 x 0.30 | 3.30 | 0.006 | 33 | 690 | 0.8 / 1.3 | 14.7 | 414 | 1,000/d |
| 4 x 10 | 80 x 0.40 | 1.91 | 0.0056 | 45 | 1,150 | 1.0 / 1.3 | 18.1 | 664 | 1,000/d |
| 4 x 16 | 126 x 0.40 | 1.21 | 0.0046 | 61 | 1,840 | 1.0 / 1.6 | 21.4 | 979 | 1,000/d |
| 4 x 25 | 196 x 0.40 | 0.78 | 0.0044 | 80 | 2,875 | 1.2 / 2.0 | 26.4 | 1,509 | 1,000/d |
| 5 x 4 | 56 x 0.30 | 4.95 | 0.007 | 20 | 460 | 0.8 / 1.3 | 14.1 | 373 | 1,000/d |
| 5 x 6 | 84 x 0.30 | 3.30 | 0.006 | 25 | 690 | 0.8 / 1.3 | 16.1 | 509 | 1,000/d |
| 5 x 10 | 80 x 0.40 | 1.91 | 0.0056 | 34 | 1,150 | 1.0 / 1.6 | 20.5 | 843 | 1,000/d |
| 5 x 16 | 126 x 0.40 | 1.21 | 0.0046 | 46 | 1,840 | 1.0 / 1.6 | 23.5 | 1,198 | 1,000/d |
| 5 x 25 | 196 x 0.40 | 0.78 | 0.0044 | 61 | 2,875 | 1.2 / 2.0 | 29.0 | 1,845 | 1,000/d |

*Test Voltage : 2,500 VAC/5 minutes*

* *c = coil  d = drum*

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