

**Code****YAVCV , NAYCY      AL/PVC/ SC/PVC****Voltage Rating****0.6/1 kV****Standards****TS IEC 60502-1 , VDE 0276  
IEC 60228****Conductor****Reaction to Fire Classification ( CPR )****EN 60332-1-2****Flame Retardant****Conductor****Stranded Aluminum Conductor (Class 2)****Insulation****PVC (Polyvinyl Chloride)****Filler****PVC Filler****Armour****Copper Wire and Copper Tape****Sheath****PVC (Polyvinyl Chloride)****Technical Data**

|                                   |          |                                     |
|-----------------------------------|----------|-------------------------------------|
| <b>Max. Operating Temperature</b> | <b>:</b> | <b>70°C</b>                         |
| <b>Short Circuit Temperature</b>  | <b>:</b> | <b>160°C (max.5 sec)</b>            |
| <b>Bending Radius</b>             | <b>:</b> | <b>15D ( D : Overall Diameter )</b> |
| <b>Test Voltage</b>               | <b>:</b> | <b>3,5 kV</b>                       |

**Application:****For installation indoors and outdoors, in cable ducts, underground , in power or switching stations, local energy distribution industrial plants, where there is no risk of mechanical damage.**

| Nominal Cross Section<br>(mm²) | Overall Diameter<br>(mm) | Net Weight<br>(kg/km) | Delivery Length<br>(m) | Resistance at 20°C<br>(ohm/km) | Current Carrying Capacity |                |
|--------------------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|----------------|
|                                |                          |                       |                        |                                | In Ground at 20°C         | In Air at 30°C |
| 1x10/10                        | 12,4                     | 300,0                 | 1000                   | 3,08 - 1,83                    | -                         | -              |
| 1x16/16                        | 14,2                     | 398,6                 | 1000                   | 1,91 - 1,15                    | -                         | -              |
| 1x16/10                        | 13,4                     | 339,4                 | 1000                   | 1,91 - 1,83                    | -                         | -              |
| 1x25/16                        | 15,8                     | 468,6                 | 1000                   | 1,20 - 1,15                    | 108                       | 91             |
| 1x35/16                        | 16,8                     | 523,4                 | 1000                   | 0,868 - 1,15                   | 129                       | 112            |
| 1x50/25                        | 18,5                     | 655,9                 | 1000                   | 0,641 - 0,727                  | 153                       | 137            |
| 1x70/35                        | 20,4                     | 860,0                 | 1000                   | 0,443 - 0,524                  | 187                       | 173            |
| 1x95/50                        | 22,6                     | 1087,9                | 1000                   | 0,320 - 0,387                  | 223                       | 212            |
| 1x120/70                       | 26,4                     | 1540,7                | 1000                   | 0,253 - 0,268                  | 252                       | 247            |
| 1x150/70                       | 29,0                     | 1733,4                | 1000                   | 0,206 - 0,268                  | 280                       | 280            |
| 1x185/95                       | 31,9                     | 2192,4                | 1000                   | 0,164 - 0,193                  | 314                       | 321            |
| 1x240/120                      | 35,1                     | 2704,5                | 500                    | 0,125 - 0,153                  | 358                       | 374            |
| 1x300/150                      | 41,7                     | 3651,3                | 500                    | 0,100 - 0,124                  | 397                       | 426            |

| Nominal Cross Section<br>(mm²) | Overall Diameter<br>(mm) | Net Weight<br>(kg/km) | Delivery Length<br>(m) | Resistance at 20°C<br>(ohm/km) | Current Carrying Capacity |                |
|--------------------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|----------------|
|                                |                          |                       |                        |                                | In Ground at 20°C         | In Air at 30°C |
| 2x10/10                        | 18,1                     | 563,5                 | 1000                   | 3,08 - 1,83                    | -                         | -              |
| 2x16/10                        | 20,1                     | 680,0                 | 1000                   | 1,91 - 1,83                    | -                         | -              |
| 2x25/16                        | 24,0                     | 962,0                 | 1000                   | 1,20 - 1,15                    | 103                       | 83             |
| 2x35/16                        | 26,1                     | 1127,8                | 1000                   | 0,868 - 1,15                   | 123                       | 101            |
| 2x50/25                        | 29,6                     | 1461,9                | 1000                   | 0,641 - 0,727                  | 145                       | 121            |
| 2x70/35                        | 34,0                     | 1938,0                | 500                    | 0,443 - 0,524                  | 180                       | 155            |
| 2x95/50                        | 38,5                     | 2552,0                | 500                    | 0,320 - 0,387                  | 216                       | 189            |
| 2x120/70                       | 41,9                     | 3132,1                | 500                    | 0,253 - 0,268                  | 246                       | 220            |
| 2x150/70                       | 47,4                     | 3836,4                | 500                    | 0,206 - 0,268                  | 276                       | 249            |
| 2x185/95                       | 52,6                     | 4797,4                | 250                    | 0,164 - 0,193                  | 313                       | 287            |
| 2x240/120                      | 58,9                     | 6043,1                | 250                    | 0,125 - 0,153                  | 362                       | 339            |

| Nominal Cross Section<br>(mm²) | Overall Diameter<br>(mm) | Net Weight<br>(kg/km) | Delivery Length<br>(m) | Resistance at 20°C<br>(ohm/km) | Current Carrying Capacity |                |
|--------------------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|----------------|
|                                |                          |                       |                        |                                | In Ground at 20°C         | In Air at 30°C |
| 3x10/10                        | 19,0                     | 617,6                 | 1000                   | 3,08 - 1,83                    | -                         | -              |
| 3x16/10                        | 21,1                     | 753,0                 | 1000                   | 1,91 - 1,83                    | -                         | -              |
| 3x25/16                        | 25,3                     | 1069,6                | 1000                   | 1,20 - 1,15                    | 103                       | 83             |
| 3x35/16                        | 27,6                     | 1264,8                | 1000                   | 0,868 - 1,15                   | 123                       | 101            |
| 3x50/25                        | 31,5                     | 1648,4                | 1000                   | 0,641 - 0,727                  | 145                       | 121            |
| 3x70/35                        | 36,2                     | 2228,5                | 500                    | 0,443 - 0,524                  | 180                       | 155            |
| 3x95/50                        | 41,0                     | 2878,9                | 500                    | 0,320 - 0,387                  | 216                       | 189            |
| 3x120/70                       | 44,6                     | 3527,4                | 500                    | 0,253 - 0,268                  | 246                       | 220            |
| 3x150/70                       | 50,6                     | 4322,8                | 250                    | 0,206 - 0,268                  | 276                       | 249            |
| 3x185/95                       | 56,1                     | 5396,0                | 250                    | 0,164 - 0,193                  | 313                       | 287            |
| 3x240/120                      | 62,9                     | 6803,2                | 250                    | 0,125 - 0,153                  | 362                       | 339            |
| 3x300/150                      | 69,8                     | 8516,1                | 250                    | 0,100 - 0,124                  | 415                       | 401            |

| Nominal Cross Section<br>(mm <sup>2</sup> ) | Overall Diameter<br>(mm) | Net Weight<br>(kg/km) | Delivery Length<br>(m) | Resistance at 20°C<br>(ohm/km) | Current Carrying Capacity |                |
|---------------------------------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|----------------|
|                                             |                          |                       |                        |                                | In Ground at 20°C         | In Air at 30°C |
| 3x16+10/10                                  | 22,3                     | 831,7                 | 1000                   | 1,91 - 3,08 - 1,83             | -                         | -              |
| 3x25+16/16                                  | 26,5                     | 1169,4                | 1000                   | 1,20 - 1,91 - 1,15             | 103                       | 83             |
| 3x35+16/16                                  | 28,5                     | 1360,1                | 1000                   | 0,868 - 1,91 - 1,15            | 123                       | 101            |
| 3x50+25/25                                  | 32,8                     | 1781,0                | 1000                   | 0,641 - 1,20 - 0,727           | 145                       | 121            |
| 3x70+35/35                                  | 37,5                     | 2406,4                | 500                    | 0,443 - 0,868 - 0,524          | 180                       | 155            |
| 3x95+50/50                                  | 42,6                     | 3080,0                | 500                    | 0,320 - 0,641 - 0,387          | 216                       | 189            |
| 3x120+70/70                                 | 47,4                     | 3924,5                | 500                    | 0,253 - 0,443 - 0,268          | 246                       | 220            |
| 3x150+70/70                                 | 52,0                     | 4550,0                | 250                    | 0,206 - 0,443 - 0,268          | 276                       | 249            |
| 3x185+95/95                                 | 58,4                     | 5793,0                | 250                    | 0,164 - 0,320 - 0,193          | 313                       | 287            |
| 3x240+120/120                               | 64,7                     | 7209,4                | 250                    | 0,125 - 0,253 - 0,153          | 362                       | 339            |
| 3x300+150/150                               | 72,1                     | 9049,8                | 250                    | 0,100 - 0,206 - 0,124          | 415                       | 401            |
| 3x400+185/185                               | 81,1                     | 11487,2               | 250                    | 0,0778 - 0,164 - 0,0991        | 474                       | 468            |

| Nominal Cross Section<br>(mm <sup>2</sup> ) | Overall Diameter<br>(mm) | Net Weight<br>(kg/km) | Delivery Length<br>(m) | Resistance at 20°C<br>(ohm/km) | Current Carrying Capacity |                |
|---------------------------------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|----------------|
|                                             |                          |                       |                        |                                | In Ground at 20°C         | In Air at 30°C |
| 4x10/10                                     | 20,5                     | 709,0                 | 1000                   | 3,08 - 1,83                    | -                         | -              |
| 4x16/16                                     | 23,7                     | 947,8                 | 1000                   | 1,91 - 1,15                    | -                         | -              |
| 4x25/16                                     | 27,6                     | 1248,7                | 1000                   | 1,20 - 1,15                    | 103                       | 83             |
| 4x35/16                                     | 30,2                     | 1507,7                | 1000                   | 0,868 - 1,15                   | 123                       | 101            |
| 4x50/25                                     | 34,9                     | 1996,8                | 1000                   | 0,641 - 0,727                  | 145                       | 121            |
| 4x70/35                                     | 39,8                     | 2643,9                | 500                    | 0,443 - 0,524                  | 180                       | 155            |
| 4x95/50                                     | 45,5                     | 3419,4                | 500                    | 0,320 - 0,387                  | 216                       | 189            |
| 4x120/70                                    | 49,5                     | 4261,2                | 500                    | 0,253 - 0,268                  | 246                       | 220            |
| 4x150/70                                    | 55,7                     | 5169,9                | 250                    | 0,206 - 0,268                  | 276                       | 249            |
| 4x185/95                                    | 62,2                     | 6507,8                | 250                    | 0,164 - 0,193                  | 313                       | 287            |
| 4x240/120                                   | 69,3                     | 8111,9                | 250                    | 0,125 - 0,153                  | 362                       | 339            |
| 4x300/150                                   | 77,4                     | 10317,4               | 250                    | 0,100 - 0,124                  | 415                       | 401            |
| 4x400/185                                   | 86,8                     | 13020,5               | 250                    | 0,0778 - 0,0991                | 474                       | 468            |

| Nominal Cross Section<br>(mm <sup>2</sup> ) | Overall Diameter<br>(mm) | Net Weight<br>(kg/km) | Delivery Length<br>(m) | Resistance at 20°C<br>(ohm/km) | Current Carrying Capacity |                |
|---------------------------------------------|--------------------------|-----------------------|------------------------|--------------------------------|---------------------------|----------------|
|                                             |                          |                       |                        |                                | In Ground at 20°C         | In Air at 30°C |
| 5x10/10                                     | 22,1                     | 823,8                 | 1000                   | 3,08 - 1,83                    | -                         | -              |
| 5x16/16                                     | 25,5                     | 1101,5                | 1000                   | 1,91 - 1,15                    | -                         | -              |
| 5x25/16                                     | 30,0                     | 1485,7                | 1000                   | 1,20 - 1,15                    | 103                       | 83             |
| 5x35/16                                     | 33,4                     | 1841,1                | 1000                   | 0,868 - 1,15                   | 123                       | 101            |
| 5x50/25                                     | 38,2                     | 2378,5                | 500                    | 0,641 - 0,727                  | 145                       | 121            |
| 5x70/35                                     | 43,6                     | 3172,3                | 500                    | 0,443 - 0,524                  | 180                       | 155            |
| 5x95/50                                     | 49,9                     | 4158,3                | 500                    | 0,320 - 0,387                  | 216                       | 189            |
| 5x120/70                                    | 54,3                     | 5044,4                | 250                    | 0,253 - 0,268                  | 246                       | 220            |
| 5x150/70                                    | 61,6                     | 6259,5                | 250                    | 0,206 - 0,268                  | 276                       | 249            |
| 5x185/95                                    | 68,4                     | 7760,6                | 250                    | 0,164 - 0,193                  | 313                       | 287            |
| 5x240/120                                   | 76,7                     | 9764,2                | 250                    | 0,125 - 0,153                  | 362                       | 339            |
| 5x300/150                                   | 85,2                     | 12308,7               | 250                    | 0,100 - 0,124                  | 415                       | 401            |
| 5x400/185                                   | 96,0                     | 15705,3               | 250                    | 0,0778 - 0,0991                | 474                       | 468            |

**Note :**

Current carrying capacities are valid at 30°C ambient temperature.