



## NYY 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

### DIMENSIONAL & MECHANICAL DATA

1 Core

| Nominal cross-sectional area | No of wire and conductor shape |    | Nominal Thickness |              | Approximately    |            | Bending radius min | Standard delivery length |
|------------------------------|--------------------------------|----|-------------------|--------------|------------------|------------|--------------------|--------------------------|
|                              |                                |    | Insulation        | Outer sheath | Overall diameter | Net Weight |                    |                          |
| mm <sup>2</sup>              | pcs                            | -  |                   |              |                  | Kg/Km      | mm                 | m                        |
| 1.5                          | 1                              | re | 0.8               | 1.4          | 6                | 34         | 80                 | 1,000                    |
| 1.5                          | 7                              | rm | 0.8               | 1.4          | 7                | 55         | 90                 | 1,000                    |
| 2.5                          | 1                              | re | 0.8               | 1.4          | 7                | 66         | 90                 | 1,000                    |
| 2.5                          | 7                              | rm | 0.8               | 1.4          | 7                | 70         | 90                 | 1,000                    |
| 4                            | 1                              | re | 1.0               | 1.4          | 8                | 91         | 100                | 1,000                    |
| 4                            | 7                              | rm | 1.0               | 1.4          | 8                | 97         | 100                | 1,000                    |
| 6                            | 1                              | re | 1.0               | 1.4          | 8                | 113        | 100                | 1,000                    |
| 6                            | 7                              | rm | 1.0               | 1.4          | 9                | 121        | 110                | 1,000                    |
| 10                           | 1                              | re | 1.0               | 1.4          | 9                | 157        | 110                | 1,000                    |
| 10                           | 7                              | rm | 1.0               | 1.4          | 9                | 168        | 110                | 1,000                    |
| 16                           | 7                              | rm | 1.0               | 1.4          | 11               | 234        | 140                | 1,000                    |
| 25                           | 7                              | rm | 1.2               | 1.4          | 12               | 344        | 150                | 1,000                    |
| 35                           | 7                              | rm | 1.2               | 1.4          | 13               | 445        | 160                | 1,000                    |
| 50                           | 19                             | rm | 1.4               | 1.4          | 15               | 578        | 180                | 1,000                    |
| 70                           | 19                             | rm | 1.4               | 1.4          | 17               | 793        | 210                | 1,000                    |
| 95                           | 19                             | rm | 1.6               | 1.5          | 19               | 1,079      | 230                | 1,000                    |
| 120                          | 67                             | rm | 1.6               | 1.5          | 21               | 1,319      | 260                | 1,000                    |
| 150                          | 37                             | rm | 1.8               | 1.6          | 23               | 1,622      | 280                | 1,000                    |
| 185                          | 37                             | rm | 2.0               | 1.7          | 25               | 2,009      | 300                | 1,000                    |
| 240                          | 61                             | rm | 2.2               | 1.8          | 29               | 2,612      | 350                | 1,000                    |
| 300                          | 61                             | rm | 2.4               | 1.9          | 32               | 3,236      | 390                | 1,000                    |
| 400                          | 61                             | rm | 2.6               | 2.0          | 35               | 4,077      | 420                | 1,000                    |
| 500                          | 61                             | rm | 2.8               | 2.1          | 39               | 5,139      | 470                | 500                      |

### ELECTRICAL DATA

| Nominal cross-sectional area | Resistance at 20 °C |                | Current Carrying Capacity at 30 °C |           | Short circuit current of conductor at 1.0 sec |
|------------------------------|---------------------|----------------|------------------------------------|-----------|-----------------------------------------------|
|                              | DC conductor max    | Insulation min | In AIR                             | In GROUND |                                               |
|                              |                     |                | ⊙ ⊙ ⊙                              | ⊙ ⊙ ⊙     |                                               |
| mm <sup>2</sup>              | Ω/Km                | MΩ.Km          | A                                  |           | kA                                            |
| 1.5                          | 12.1                | 50             | 26                                 | 33        | 0.19                                          |
| 2.5                          | 7.41                | 50             | 25                                 | 45        | 0.32                                          |
| 4                            | 4.61                | 50             | 46                                 | 58        | 0.50                                          |
| 6                            | 3.08                | 50             | 58                                 | 74        | 0.73                                          |
| 10                           | 1.83                | 50             | 80                                 | 98        | 1.20                                          |
| 16                           | 1.15                | 40             | 100                                | 107       | 1.91                                          |
| 25                           | 0.727               | 40             | 135                                | 138       | 2.96                                          |
| 35                           | 0.524               | 40             | 170                                | 185       | 4.13                                          |
| 50                           | 0.387               | 30             | 205                                | 196       | 5.87                                          |
| 70                           | 0.268               | 30             | 260                                | 240       | 8.19                                          |
| 95                           | 0.193               | 30             | 320                                | 289       | 11.09                                         |
| 120                          | 0.153               | 30             | 375                                | 329       | 13.98                                         |
| 150                          | 0.124               | 20             | 430                                | 374       | 17.46                                         |
| 185                          | 0.0991              | 20             | 490                                | 418       | 21.50                                         |
| 240                          | 0.0754              | 20             | 590                                | 481       | 27.86                                         |
| 300                          | 0.0601              | 20             | 680                                | 552       | 34.79                                         |
| 400                          | 0.0470              | 20             | 825                                | 632       | 41.50                                         |
| 500                          | 0.0366              | 20             | 960                                | 730       | 51.84                                         |





## NYY 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

### DIMENSIONAL & MECHANICAL DATA

2 Cores

| Nominal cross-sectional area | No of wire and conductor shape |    | Nominal Thickness |              | Approximately    |            | Bending radius min | Standard delivery length |
|------------------------------|--------------------------------|----|-------------------|--------------|------------------|------------|--------------------|--------------------------|
|                              |                                |    | Insulation        | Outer sheath | Overall diameter | Net Weight |                    |                          |
| mm <sup>2</sup>              | pcs                            | -  | mm                | mm           | mm               | Kg/Km      | mm                 | m                        |
| 1.5                          | 1                              | re | 0.8               | 1.8          | 12               | 205        | 150                | 1,000                    |
| 1.5                          | 7                              | rm | 0.8               | 1.8          | 13               | 213        | 160                | 1,000                    |
| 2.5                          | 1                              | re | 0.8               | 1.8          | 13               | 243        | 160                | 1,000                    |
| 2.5                          | 7                              | rm | 0.8               | 1.8          | 14               | 259        | 170                | 1,000                    |
| 4                            | 1                              | re | 1.0               | 1.8          | 15               | 326        | 180                | 1,000                    |
| 4                            | 7                              | rm | 1.0               | 1.8          | 16               | 351        | 200                | 1,000                    |
| 6                            | 1                              | re | 1.0               | 1.8          | 16               | 390        | 200                | 1,000                    |
| 6                            | 7                              | rm | 1.0               | 1.8          | 17               | 422        | 210                | 1,000                    |
| 10                           | 1                              | re | 1.0               | 1.8          | 18               | 514        | 220                | 1,000                    |
| 10                           | 7                              | rm | 1.0               | 1.8          | 18               | 557        | 220                | 1,000                    |
| 16                           | 7                              | rm | 1.0               | 1.8          | 21               | 744        | 260                | 1,000                    |
| 25                           | 7                              | rm | 1.2               | 1.8          | 24               | 1,066      | 290                | 1,000                    |
| 35                           | 7                              | rm | 1.2               | 1.8          | 26               | 1,342      | 320                | 1,000                    |
| 50                           | 19                             | rm | 1.4               | 1.8          | 30               | 1,735      | 360                | 1,000                    |
| 70                           | 19                             | rm | 1.4               | 1.9          | 33               | 2,331      | 400                | 1,000                    |
| 95                           | 19                             | rm | 1.6               | 2.0          | 39               | 3,159      | 470                | 1,000                    |
| 120                          | 37                             | rm | 1.6               | 2.1          | 42               | 3,829      | 510                | 1,000                    |
| 150                          | 37                             | rm | 1.8               | 2.2          | 46               | 4,667      | 560                | 500                      |
| 185                          | 37                             | rm | 2.0               | 2.4          | 51               | 5,805      | 620                | 500                      |
| 240                          | 61                             | rm | 2.2               | 2.6          | 58               | 7,482      | 700                | 500                      |
| 300                          | 61                             | rm | 2.4               | 2.7          | 64               | 9,253      | 770                | 500                      |

### ELECTRICAL DATA

| Nominal cross-sectional area | Resistance at 20 °C |                | Current Carrying Capacity at 30 °C |           | Short circuit current of conductor at 1.0 sec |
|------------------------------|---------------------|----------------|------------------------------------|-----------|-----------------------------------------------|
|                              | DC conductor max    | Insulation min |                                    |           |                                               |
|                              |                     |                | In AIR                             | In GROUND |                                               |
| mm²                          | Ω/Km                | MΩ.Km          | A                                  |           | kA                                            |
| 1.5                          | 12.1                | 50             | 21                                 | 27        | 0.19                                          |
| 2.5                          | 7.41                | 50             | 29                                 | 36        | 0.32                                          |
| 4                            | 4.61                | 50             | 38                                 | 47        | 0.50                                          |
| 6                            | 3.08                | 50             | 48                                 | 59        | 0.73                                          |
| 10                           | 1.83                | 50             | 66                                 | 78        | 1.20                                          |
| 16                           | 1.15                | 40             | 90                                 | 102       | 1.91                                          |
| 25                           | 0.727               | 40             | 120                                | 134       | 2.96                                          |
| 35                           | 0.524               | 40             | 150                                | 160       | 4.13                                          |
| 50                           | 0.387               | 30             | 180                                | 187       | 5.87                                          |
| 70                           | 0.268               | 30             | 230                                | 230       | 8.19                                          |
| 95                           | 0.193               | 30             | 275                                | 280       | 11.09                                         |
| 120                          | 0.153               | 30             | 320                                | 320       | 13.98                                         |
| 150                          | 0.124               | 20             | 375                                | 355       | 17.46                                         |
| 185                          | 0.0991              | 20             | 430                                | 409       | 21.50                                         |
| 240                          | 0.0754              | 20             | 510                                | 472       | 27.86                                         |
| 300                          | 0.0601              | 20             | 590                                | 525       | 34.79                                         |





Copper conductor, PVC insulated and PVC sheathed cable



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SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

### DIMENSIONAL & MECHANICAL DATA

3 Cores + 1 ground

| Nominal cross-sectional area | No of wire and conductor shape |       | Nominal Thickness |              | Approximately    |            | Bending radius min | Standard delivery length |
|------------------------------|--------------------------------|-------|-------------------|--------------|------------------|------------|--------------------|--------------------------|
|                              |                                |       | Insulation        | Outer sheath | Overall diameter | Net Weight |                    |                          |
| mm <sup>2</sup>              | pcs                            | -     | mm                |              |                  | Kg/Km      | mm                 | m                        |
| 3 x 25 + 16                  | 7/7                            | rm/rm | 1.2/1.0           | 1.8          | 27               | 1,501      | 330                | 1,000                    |
| 3 x 35 + 16                  | 7/7                            | rm/rm | 1.2/1.0           | 1.8          | 29               | 1,846      | 350                | 1,000                    |
| 3 x 35 + 16                  | 19/7                           | sm/rm | 1.2/1.0           | 1.8          | 28               | 1,668      | 340                | 1,000                    |
| 3 x 50 + 25                  | 19/7                           | sm/rm | 1.4/1.2           | 1.9          | 32               | 2,224      | 390                | 1,000                    |
| 3 x 70 + 35                  | 19/7                           | sm/rm | 1.4/1.2           | 2.0          | 36               | 3,024      | 440                | 1,000                    |
| 3 x 95 + 50                  | 19/19                          | sm/rm | 1.6/1.4           | 2.2          | 40               | 4,051      | 480                | 1,000                    |
| 3 x 120 + 70                 | 37/19                          | sm/rm | 1.6/1.4           | 2.3          | 44               | 5,083      | 530                | 500                      |
| 3x 150 + 70                  | 37/19                          | sm/rm | 1.8/1.4           | 2.4          | 49               | 6,052      | 590                | 500                      |
| 3 x 185 + 95                 | 37/19                          | sm/rm | 2.0/1.6           | 2.6          | 53               | 7,535      | 640                | 500                      |
| 3x 240 + 120                 | 37/37                          | sm/rm | 2.2/1.6           | 2.8          | 60               | 9,725      | 720                | 300                      |
| 3 x 300 + 150                | 37/37                          | sm/rm | 2.4/1.8           | 2.9          | 65               | 11,983     | 780                | 300                      |

### ELECTRICAL DATA

| ELECTRICAL DATA              |                     |                |                                    |           |                                               |
|------------------------------|---------------------|----------------|------------------------------------|-----------|-----------------------------------------------|
| Nominal cross-sectional area | Resistance at 20 °C |                | Current Carrying Capacity at 30 °C |           | Short circuit current of conductor at 1.0 sec |
|                              | DC conductor max    | Insulation min |                                    |           |                                               |
|                              |                     |                | In AIR                             | In GROUND |                                               |
| mm <sup>2</sup>              | Ω/Km                | MΩ.Km          | A                                  |           | kA                                            |
| 3 x 25 + 16                  | 0.727/1.15          | 40             | 105                                | 116       | 2.96                                          |
| 3 x 35 + 16                  | 0.524/1.15          | 40             | 130                                | 138       | 4.13                                          |
| 3 x 50 + 25                  | 0.387/0.727         | 30             | 160                                | 165       | 5.87                                          |
| 3 x 70 + 35                  | 0.268/0.524         | 30             | 200                                | 205       | 8.19                                          |
| 3 x 95 + 50                  | 0.193/0.387.        | 30             | 245                                | 245       | 11.09                                         |
| 3 x 120 + 70                 | 0.153/0.268         | 30             | 285                                | 285       | 13.98                                         |
| 3x 150 + 70                  | 0.124/0.268         | 20             | 325                                | 315       | 17.46                                         |
| 3 x 185 + 95                 | 0.0991/0.193        | 20             | 370                                | 355       | 21.50                                         |
| 3x 240 + 120                 | 0.0754/0.153        | 20             | 435                                | 415       | 27.86                                         |
| 3 x 300 + 150                | 0.0601/0.124        | 20             | 500                                | 465       | 34.79                                         |





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Copper conductor, PVC insulated and PVC sheathed cable

### DIMENSIONAL & MECHANICAL DATA

4 Cores

| Nominal cross-sectional area | No of wire and conductor shape |    | Nominal Thickness |              | Approximately    |            | Bending radius min | Standard delivery length |
|------------------------------|--------------------------------|----|-------------------|--------------|------------------|------------|--------------------|--------------------------|
|                              |                                |    | Insulation        | Outer sheath | Overall diameter | Net Weight |                    |                          |
| mm <sup>2</sup>              | pcs                            | -  | mm                |              |                  | Kg/Km      | mm                 | m                        |
| 1.5                          | 1                              | re | 0.8               | 1.8          | 14               | 262        | 170                | 1,000                    |
| 1.5                          | 7                              | rm | 0.8               | 1.8          | 14               | 272        | 170                | 1,000                    |
| 2.5                          | 1                              | re | 0.8               | 1.8          | 15               | 320        | 180                | 1,000                    |
| 2.5                          | 7                              | rm | 0.8               | 1.8          | 15               | 343        | 180                | 1,000                    |
| 4                            | 1                              | re | 1.0               | 1.8          | 17               | 443        | 210                | 1,000                    |
| 4                            | 7                              | rm | 1.0               | 1.8          | 18               | 477        | 220                | 1,000                    |
| 6                            | 1                              | re | 1.0               | 1.8          | 18               | 546        | 220                | 1,000                    |
| 6                            | 7                              | rm | 1.0               | 1.8          | 19               | 589        | 230                | 1,000                    |
| 10                           | 1                              | re | 1.0               | 1.8          | 20               | 749        | 240                | 1,000                    |
| 10                           | 7                              | rm | 1.0               | 1.8          | 21               | 807        | 260                | 1,000                    |
| 16                           | 7                              | rm | 1.0               | 1.8          | 24               | 1,113      | 290                | 1,000                    |
| 25                           | 7                              | rm | 1.2               | 1.8          | 28               | 1,630      | 340                | 1,000                    |
| 35                           | 7                              | rm | 1.2               | 1.8          | 30               | 2,092      | 360                | 1,000                    |
| 35                           | 19                             | sm | 1.2               | 1.8          | 28               | 1,869      | 340                | 1,000                    |
| 50                           | 19                             | sm | 1.4               | 1.9          | 32               | 2,491      | 390                | 1,000                    |
| 70                           | 19                             | sm | 1.4               | 2.1          | 36               | 3,381      | 440                | 1,000                    |
| 95                           | 19                             | sm | 1.6               | 2.2          | 40               | 4,534      | 480                | 500                      |
| 120                          | 37                             | sm | 1.6               | 2.3          | 44               | 5,596      | 530                | 500                      |
| 150                          | 37                             | sm | 1.8               | 2.5          | 49               | 6,877      | 590                | 500                      |
| 185                          | 37                             | sm | 2.0               | 2.7          | 53               | 8,462      | 640                | 500                      |
| 240                          | 37                             | sm | 2.2               | 2.9          | 60               | 10,999     | 720                | 300                      |
| 300                          | 37                             | sm | 2.4               | 3.1          | 66               | 13,616     | 800                | 300                      |

### ELECTRICAL DATA

| Nominal cross-sectional area | Resistance at 20 °C |                | Current Carrying Capacity at 30 °C |           | Short circuit current of conductor at 1.0 sec |
|------------------------------|---------------------|----------------|------------------------------------|-----------|-----------------------------------------------|
|                              | DC conductor max    | Insulation min |                                    |           |                                               |
|                              |                     |                | In AIR                             | In GROUND |                                               |
| mm²                          | Ω/Km                | MΩ.Km          | A                                  |           | kA                                            |
| 1.5                          | 12.1                | 50             | 18                                 | 24        | 0.19                                          |
| 2.5                          | 7.41                | 50             | 25                                 | 32        | 0.32                                          |
| 4                            | 4.61                | 50             | 34                                 | 41        | 0.50                                          |
| 6                            | 3.08                | 50             | 44                                 | 52        | 0.73                                          |
| 10                           | 1.83                | 50             | 60                                 | 69        | 1.20                                          |
| 16                           | 1.15                | 40             | 80                                 | 89        | 1.91                                          |
| 25                           | 0.727               | 40             | 105                                | 116       | 2.96                                          |
| 35                           | 0.524               | 40             | 130                                | 138       | 4.13                                          |
| 50                           | 0.387               | 30             | 160                                | 165       | 5.87                                          |
| 70                           | 0.268               | 30             | 200                                | 205       | 8.19                                          |
| 95                           | 0.193               | 30             | 245                                | 245       | 11.09                                         |
| 120                          | 0.153               | 30             | 285                                | 285       | 13.98                                         |
| 150                          | 0.124               | 20             | 325                                | 315       | 17.46                                         |
| 185                          | 0.0991              | 20             | 370                                | 355       | 21.50                                         |
| 240                          | 0.0754              | 20             | 435                                | 415       | 27.86                                         |
| 300                          | 0.0601              | 20             | 500                                | 465       | 34.79                                         |





## NYY 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

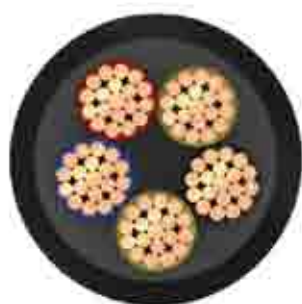
### DIMENSIONAL & MECHANICA

5 Cores

| Nominal cross-sectional area | No of wire and conductor shape |    | Nominal Thickness |              | Approximately    |            | Bending radius min | Standard delivery length |
|------------------------------|--------------------------------|----|-------------------|--------------|------------------|------------|--------------------|--------------------------|
|                              |                                |    | Insulation        | Outer sheath | Overall diameter | Net Weight |                    |                          |
| mm <sup>2</sup>              | pcs                            | -  | mm                |              |                  | Kg/Km      | mm                 | m                        |
| 1.5                          | 1                              | re | 0.8               | 1.8          | 15               | 306        | 180                | 1,000                    |
| 1.5                          | 7                              | rm | 0.8               | 1.8          | 15               | 317        | 180                | 1,000                    |
| 2.5                          | 1                              | re | 0.8               | 1.8          | 16               | 375        | 200                | 1,000                    |
| 2.5                          | 7                              | rm | 0.8               | 1.8          | 16               | 401        | 200                | 1,000                    |
| 4                            | 1                              | re | 1.0               | 1.8          | 18               | 529        | 220                | 1,000                    |
| 4                            | 7                              | rm | 1.0               | 1.8          | 19               | 568        | 230                | 1,000                    |
| 6                            | 1                              | re | 1.0               | 1.8          | 19               | 652        | 230                | 1,000                    |
| 6                            | 7                              | rm | 1.0               | 1.8          | 20               | 701        | 240                | 1,000                    |
| 10                           | 1                              | re | 1.0               | 1.8          | 21               | 897        | 260                | 1,000                    |
| 10                           | 7                              | rm | 1.0               | 1.8          | 23               | 974        | 280                | 1,000                    |
| 16                           | 7                              | rm | 1.0               | 1.8          | 26               | 1,343      | 320                | 1,000                    |
| 25                           | 7                              | rm | 1.2               | 1.8          | 30               | 1,992      | 360                | 1,000                    |
| 35                           | 7                              | rm | 1.2               | 1.9          | 33               | 2,569      | 400                | 1,000                    |
| 50                           | 19                             | rm | 1.4               | 2.0          | 39               | 3,421      | 470                | 500                      |

### ELECTRICAL DATA

| Nominal cross-sectional area | Resistance at 20 °C |                | Current Carrying Capacity at 30 °C |           | Short circuit current of conductor at 1.0 sec |
|------------------------------|---------------------|----------------|------------------------------------|-----------|-----------------------------------------------|
|                              | DC conductor max    | Insulation min | In AIR                             | In GROUND |                                               |
| mm <sup>2</sup>              | Ω/Km                | MΩ.Km          | A                                  |           | kA                                            |
| 1.5                          | 12.1                | 50             | 18                                 | 24        | 0.19                                          |
| 2.5                          | 7.41                | 50             | 25                                 | 32        | 0.32                                          |
| 4                            | 4.61                | 50             | 34                                 | 41        | 0.50                                          |
| 6                            | 3.08                | 50             | 44                                 | 52        | 0.73                                          |
| 10                           | 1.83                | 50             | 60                                 | 69        | 1.20                                          |
| 16                           | 1.15                | 40             | 80                                 | 89        | 1.91                                          |
| 25                           | 0.727               | 40             | 105                                | 116       | 2.96                                          |
| 35                           | 0.524               | 40             | 130                                | 138       | 4.13                                          |
| 50                           | 0.387               | 30             | 160                                | 165       | 5.87                                          |







## NYY 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

### DIMENSIONAL & MECHANICAL DATA

Control cable 2.5 mm<sup>2</sup>

| No of cores | No of wire and conductor shape |    | Nominal Thickness |              | Approximately    |            | Bending radius min | Standard delivery length |
|-------------|--------------------------------|----|-------------------|--------------|------------------|------------|--------------------|--------------------------|
|             |                                |    | Insulation        | Outer sheath | Overall diameter | Net Weight |                    |                          |
| pcs         | pcs                            | -  | mm                |              |                  | Kg/Km      | mm                 | m                        |
| 7           | 1                              | re | 0.8               | 1.8          | 17               | 423        | 210                | 500                      |
| 7           | 7                              | rm | 0.8               | 1.8          | 18               | 451        | 220                | 500                      |
| 8           | 1                              | re | 0.8               | 1.8          | 18               | 470        | 220                | 500                      |
| 8           | 7                              | rm | 0.8               | 1.8          | 19               | 502        | 230                | 500                      |
| 10          | 1                              | re | 0.8               | 1.8          | 20               | 569        | 240                | 500                      |
| 10          | 7                              | rm | 0.8               | 1.8          | 21               | 608        | 260                | 500                      |
| 12          | 1                              | re | 0.8               | 1.8          | 21               | 640        | 260                | 500                      |
| 12          | 7                              | rm | 0.8               | 1.8          | 22               | 685        | 270                | 500                      |
| 14          | 1                              | re | 0.8               | 1.8          | 22               | 717        | 270                | 500                      |
| 14          | 7                              | rm | 0.8               | 1.8          | 23               | 767        | 280                | 500                      |
| 16          | 1                              | re | 0.8               | 1.8          | 23               | 805        | 280                | 500                      |
| 16          | 7                              | rm | 0.8               | 1.8          | 24               | 861        | 290                | 500                      |
| 19          | 1                              | re | 0.8               | 1.8          | 24               | 905        | 290                | 500                      |
| 19          | 7                              | rm | 0.8               | 1.8          | 25               | 970        | 300                | 500                      |
| 21          | 1                              | re | 0.8               | 1.8          | 25               | 984        | 300                | 500                      |
| 21          | 7                              | rm | 0.8               | 1.8          | 26               | 1,055      | 320                | 500                      |
| 24          | 1                              | re | 0.8               | 1.8          | 27               | 1,115      | 330                | 500                      |
| 24          | 7                              | rm | 0.8               | 1.8          | 29               | 1,195      | 350                | 500                      |
| 30          | 1                              | re | 0.8               | 1.8          | 29               | 1,326      | 350                | 500                      |
| 30          | 7                              | rm | 0.8               | 1.8          | 30               | 1,422      | 360                | 500                      |
| 40          | 1                              | re | 0.8               | 1.9          | 32               | 1,704      | 390                | 500                      |
| 40          | 7                              | rm | 0.8               | 1.9          | 34               | 1,829      | 410                | 500                      |
| 52          | 1                              | re | 0.8               | 2.0          | 36               | 2,193      | 440                | 500                      |
| 52          | 7                              | rm | 0.8               | 2.0          | 38               | 2,355      | 460                | 500                      |
| 61          | 1                              | re | 0.8               | 2.1          | 38               | 2,529      | 460                | 500                      |
| 61          | 7                              | rm | 0.8               | 2.1          | 40               | 2,716      | 480                | 500                      |

### ELECTRICAL DATA

| No of cores | Resistance at 20 °C |                | Current Carrying Capacity at 30 °C |           | Short circuit current of conductor at 1.0 sec |
|-------------|---------------------|----------------|------------------------------------|-----------|-----------------------------------------------|
|             | DC conductor max    | Insulation min |                                    |           |                                               |
|             |                     |                | In AIR                             | In GROUND |                                               |
| pcs         | Ω/Km                | MΩ.Km          | A                                  |           | kA                                            |
| 7           | 7.41                | 50             | 16                                 | 19        | 0.32                                          |
| 8           | 7.41                | 50             | 16                                 | 19        | 0.32                                          |
| 10          | 7.41                | 50             | 13                                 | 16        | 0.32                                          |
| 12          | 7.41                | 50             | 13                                 | 16        | 0.32                                          |
| 14          | 7.41                | 50             | 12                                 | 14        | 0.32                                          |
| 16          | 7.41                | 50             | 12                                 | 14        | 0.32                                          |
| 19          | 7.41                | 50             | 11                                 | 12        | 0.32                                          |
| 21          | 7.41                | 50             | 11                                 | 12        | 0.32                                          |
| 24          | 7.41                | 50             | 10                                 | 11        | 0.32                                          |
| 30          | 7.41                | 50             | 10                                 | 11        | 0.32                                          |
| 40          | 7.41                | 50             | 8                                  | 9         | 0.32                                          |
| 52          | 7.41                | 50             | 8                                  | 9         | 0.32                                          |
| 61          | 7.41                | 50             | 7                                  | 8         | 0.32                                          |



## NYY 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

### DIMENSIONAL & MECHANICAL DATA

Control cable 4 mm<sup>2</sup>

| No of cores | No of wire and conductor shape |    | Nominal Thickness |              | Approximately    |            | Bending radius min | Standard delivery length |
|-------------|--------------------------------|----|-------------------|--------------|------------------|------------|--------------------|--------------------------|
|             |                                |    | Insulation        | Outer sheath | Overall diameter | Net Weight |                    |                          |
| pcs         | pcs                            | -  | mm                |              |                  | Kg/Km      | mm                 | m                        |
| 7           | 1                              | re | 1.0               | 1.8          | 20               | 596        | 240                | 500                      |
| 7           | 7                              | rm | 1.0               | 1.8          | 20               | 639        | 240                | 500                      |
| 8           | 1                              | re | 1.0               | 1.8          | 21               | 667        | 260                | 500                      |
| 8           | 7                              | rm | 1.0               | 1.8          | 22               | 715        | 270                | 500                      |
| 10          | 1                              | re | 1.0               | 1.8          | 24               | 813        | 290                | 500                      |
| 10          | 7                              | rm | 1.0               | 1.8          | 25               | 873        | 300                | 500                      |
| 12          | 1                              | re | 1.0               | 1.8          | 24               | 924        | 290                | 500                      |
| 12          | 7                              | rm | 1.0               | 1.8          | 26               | 993        | 320                | 500                      |
| 14          | 1                              | re | 1.0               | 1.8          | 26               | 1,042      | 320                | 500                      |
| 14          | 7                              | rm | 1.0               | 1.8          | 27               | 1,121      | 330                | 500                      |
| 16          | 1                              | re | 1.0               | 1.8          | 27               | 1,180      | 330                | 500                      |
| 16          | 7                              | rm | 1.0               | 1.8          | 28               | 1,268      | 340                | 500                      |
| 19          | 1                              | re | 1.0               | 1.8          | 28               | 1,333      | 340                | 500                      |
| 19          | 7                              | rm | 1.0               | 1.8          | 30               | 1,435      | 360                | 500                      |
| 21          | 1                              | re | 1.0               | 1.8          | 29               | 1,454      | 350                | 500                      |
| 21          | 7                              | rm | 1.0               | 1.8          | 31               | 1,566      | 380                | 500                      |
| 24          | 1                              | re | 1.0               | 1.9          | 33               | 1,706      | 400                | 500                      |
| 24          | 7                              | rm | 1.0               | 1.9          | 35               | 1,836      | 420                | 500                      |
| 30          | 1                              | re | 1.0               | 2.0          | 35               | 2,049      | 420                | 500                      |
| 30          | 7                              | rm | 1.0               | 2.0          | 37               | 2,206      | 450                | 500                      |
| 40          | 1                              | re | 1.0               | 2.1          | 39               | 2,639      | 470                | 500                      |
| 40          | 7                              | rm | 1.0               | 2.1          | 41               | 2,843      | 500                | 500                      |
| 52          | 1                              | re | 1.0               | 2.3          | 45               | 3,424      | 540                | 500                      |
| 52          | 7                              | rm | 1.0               | 2.3          | 47               | 3,690      | 570                | 500                      |
| 61          | 1                              | re | 1.0               | 2.4          | 47               | 3,952      | 570                | 500                      |
| 61          | 7                              | rm | 1.0               | 2.4          | 50               | 4,259      | 600                | 500                      |

### ELECTRICAL DATA

| No of cores | Resistance at 20 °C |                | Current Carrying Capacity at 30 °C |           | Short circuit current of conductor at 1.0 sec |
|-------------|---------------------|----------------|------------------------------------|-----------|-----------------------------------------------|
|             | DC conductor max    | Insulation min | In AIR                             | In GROUND |                                               |
| pcs         | Ω/Km                | MΩ.Km          | A                                  |           | kA                                            |
| 7           | 4.61                | 50             | 22                                 | 24        | 0.50                                          |
| 8           | 4.61                | 50             | 22                                 | 24        | 0.50                                          |
| 10          | 4.61                | 50             | 18                                 | 20        | 0.50                                          |
| 12          | 4.61                | 50             | 18                                 | 20        | 0.50                                          |
| 14          | 4.61                | 50             | 17                                 | 18        | 0.50                                          |
| 16          | 4.61                | 50             | 17                                 | 18        | 0.50                                          |
| 19          | 4.61                | 50             | 15                                 | 16        | 0.50                                          |
| 21          | 4.61                | 50             | 15                                 | 16        | 0.50                                          |
| 24          | 4.61                | 50             | 13                                 | 14        | 0.50                                          |
| 30          | 4.61                | 50             | 13                                 | 14        | 0.50                                          |
| 40          | 4.61                | 50             | 11                                 | 12        | 0.50                                          |
| 52          | 4.61                | 50             | 11                                 | 12        | 0.50                                          |
| 61          | 4.61                | 50             | 10                                 | 11        | 0.50                                          |





## NYY 0.6/1(1.2) kV

SPLN 43-1/IEC 60502-1

Copper conductor, PVC insulated and PVC sheathed cable

### DIMENSIONAL & MECHANICAL DATA

Control cable 6 mm<sup>2</sup>

| No of cores | No of wire and conductor shape |    | Nominal Thickness |              | Approximately    |            | Bending radius min | Standard delivery length |
|-------------|--------------------------------|----|-------------------|--------------|------------------|------------|--------------------|--------------------------|
|             |                                |    | Insulation        | Outer sheath | Overall diameter | Net Weight |                    |                          |
| pcs         | pcs                            | -  | mm                |              |                  | Kg/Km      | mm                 | m                        |
| 7           | 1                              | re | 1.0               | 1.8          | 21               | 751        | 260                | 500                      |
| 7           | 7                              | rm | 1.0               | 1.8          | 22               | 804        | 270                | 500                      |
| 8           | 1                              | re | 1.0               | 1.8          | 22               | 842        | 270                | 500                      |
| 8           | 7                              | rm | 1.0               | 1.8          | 24               | 903        | 290                | 500                      |
| 10          | 1                              | re | 1.0               | 1.8          | 26               | 1,032      | 320                | 500                      |
| 10          | 7                              | rm | 1.0               | 1.8          | 27               | 1,107      | 330                | 500                      |
| 12          | 1                              | re | 1.0               | 1.8          | 26               | 1,182      | 320                | 500                      |
| 12          | 7                              | rm | 1.0               | 1.8          | 28               | 1,268      | 340                | 500                      |
| 14          | 1                              | re | 1.0               | 1.8          | 28               | 1,340      | 340                | 500                      |
| 14          | 7                              | rm | 1.0               | 1.8          | 29               | 1,438      | 350                | 500                      |
| 16          | 1                              | re | 1.0               | 1.8          | 29               | 1,518      | 350                | 500                      |
| 16          | 7                              | rm | 1.0               | 1.8          | 31               | 1,628      | 380                | 500                      |
| 19          | 1                              | re | 1.0               | 1.9          | 31               | 1,746      | 380                | 500                      |
| 19          | 7                              | rm | 1.0               | 1.9          | 33               | 1,874      | 400                | 500                      |
| 21          | 1                              | re | 1.0               | 1.9          | 33               | 1,945      | 400                | 500                      |
| 21          | 7                              | rm | 1.0               | 1.9          | 35               | 2,088      | 420                | 500                      |
| 24          | 1                              | re | 1.0               | 2.0          | 36               | 2,220      | 440                | 500                      |
| 24          | 7                              | rm | 1.0               | 2.0          | 38               | 2,384      | 460                | 500                      |
| 30          | 1                              | re | 1.0               | 2.1          | 38               | 2,689      | 460                | 500                      |
| 30          | 7                              | rm | 1.0               | 2.1          | 41               | 2,888      | 500                | 500                      |
| 40          | 1                              | re | 1.0               | 2.3          | 43               | 3,551      | 520                | 500                      |
| 40          | 7                              | rm | 1.0               | 2.3          | 46               | 3,814      | 560                | 500                      |
| 52          | 1                              | re | 1.0               | 2.5          | 49               | 4,539      | 590                | 500                      |
| 52          | 7                              | rm | 1.0               | 2.5          | 52               | 4,876      | 630                | 500                      |
| 61          | 1                              | re | 1.0               | 2.6          | 52               | 5,248      | 630                | 500                      |
| 61          | 7                              | rm | 1.0               | 2.6          | 55               | 5,637      | 660                | 500                      |

### ELECTRICAL DATA

| No of cores | Resistance at 20 °C |                | Current Carrying Capacity at 30 °C |           | Short circuit current of conductor at 1.0 sec |
|-------------|---------------------|----------------|------------------------------------|-----------|-----------------------------------------------|
|             | DC conductor max    | Insulation min | In AIR                             | In GROUND |                                               |
| pcs         | Ω/Km                | MΩ.Km          | A                                  |           | kA                                            |
| 7           | 3.08                | 50             | 28                                 | 31        | 0.73                                          |
| 8           | 3.08                | 50             | 28                                 | 31        | 0.73                                          |
| 10          | 3.08                | 50             | 24                                 | 26        | 0.73                                          |
| 12          | 3.08                | 50             | 24                                 | 26        | 0.73                                          |
| 14          | 3.08                | 50             | 22                                 | 23        | 0.73                                          |
| 16          | 3.08                | 50             | 22                                 | 23        | 0.73                                          |
| 19          | 3.08                | 50             | 19                                 | 20        | 0.73                                          |
| 21          | 3.08                | 50             | 19                                 | 20        | 0.73                                          |
| 24          | 3.08                | 50             | 17                                 | 18        | 0.73                                          |
| 30          | 3.08                | 50             | 17                                 | 18        | 0.73                                          |
| 40          | 3.08                | 50             | 15                                 | 16        | 0.73                                          |
| 52          | 3.08                | 50             | 15                                 | 16        | 0.73                                          |
| 61          | 3.08                | 50             | 13                                 | 14        | 0.73                                          |