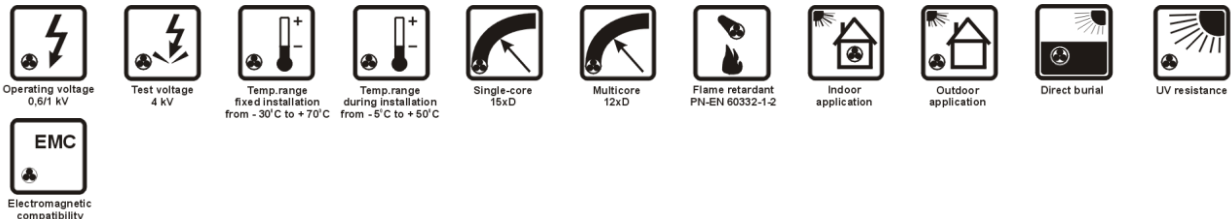
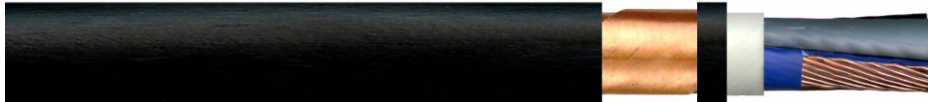


**YKYektmynżo 0,6/1 kV, YKYektmyn 0,6/1 kV****PVC INSULATED AND SHEATHED, COPPER TAPE SHIELDED AND PVC OVERSHEATHED POWER CABLES****APPLICATIONS**

**YKYektmynżo 0,6/1 kV** and **YKYektmyn 0,6/1 kV** shielded power cables are designed for electric power transmission. They are also applied in power circuits in industrial plants and power stations and in local distribution networks.

The cables are suitable for indoor and outdoor installations, for laying in cable ducts and for direct earth burial.

Copper tape overall shield prevents emission of interferences produced in the cables and protects the cables against external electromagnetic interferences.

The cable covering is then made of special self-extinguishing PVC of reduced combustibility and pass combustibility test according to EN 60332-3 standard.

**CONSTRUCTION**

- bare annealed copper conductors meeting requirements of PN-EN 60228 standard:
  - RE** - class 1 circular single-wire,
  - RM** - class 2 circular multi-wire,
  - SM** - class 2 sector shaped multi-wire,
- PVC insulation - colours in accordance with PN-HD 308 standard, green-yellow protective conductor in **YKYektmynżo 0,6/1 kV** cable,
- insulated conductors laid-up in a cable core,
- PVC cable sheath,
- copper tape shield,
- black PVC cable covering, other colours also available.

**AVAILABLE UPON REQUEST**

**YKYektmynżo-O 0,6/1 kV** and **YKYektmyn-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN-EN 60811-404.

**XnKXSektmynżo 0,6/1 kV** and **XnKXSektmyn 0,6/1 kV** - halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

# YKYektmynžo 0,6/1 kV, YKYektmyn 0,6/1 kV

## CHARACTERISTICS

|                                     |          |                        |                                           |
|-------------------------------------|----------|------------------------|-------------------------------------------|
| Operating voltage U <sub>0</sub> /U | 0.6/1 kV | Temperature range      |                                           |
| Voltage test                        | 4 kV rms | during operation       | from - 30 to + 70°C                       |
| Insulation resistance, minimum      | 20 MΩ·km | during installation    | from - 5 to + 50°C                        |
| Conductor temperature limit         |          | Minimum bending radius |                                           |
| in work conditions                  | + 70°C   | single wire cables     | 15 x cable diameter                       |
| in short-circuit                    | + 160°C  | multi wire cables      | 12 x cable diameter                       |
|                                     |          | Cable combustibility   | flame retardant                           |
|                                     |          | Combustibility tests   | PN-EN 60332-1-2, IEC 60332-1-2            |
|                                     |          | ≥ 25 mm <sup>2</sup>   | PN-EN 60332-3-23, IEC 60332-3-23 (cat. B) |
|                                     |          | < 25 mm <sup>2</sup>   | PN-EN 60332-3-24, IEC 60332-3-24 (cat. C) |
|                                     |          | Reference standards    | IEC 60502-1, PN-93/E-90401, PN-HD 603 S1  |

CE = the cable meets requirements of the low voltage directive 2014/35/EU

| Product No.          | Number of conductors x conductor cross-section | Cable outer diameter (appr.) | DC conductor resistance at 20°C, maximum | Copper index | Cable weight (appr.) |
|----------------------|------------------------------------------------|------------------------------|------------------------------------------|--------------|----------------------|
|                      | mm <sup>2</sup>                                | mm                           | Ω/km                                     | kg/km        | kg/km                |
| YKYektmyn 0,6/1 kV   |                                                |                              |                                          |              |                      |
| 0945 004             | 1x1 RE                                         | 7.4                          | 18.1                                     | 27.6         | 94                   |
| 0945 005             | 1x1,5 RE                                       | 7.7                          | 12.1                                     | 33.5         | 104                  |
| 0945 006             | 1x2,5 RE                                       | 8.0                          | 7.41                                     | 44.3         | 118                  |
| 0945 007             | 1x4 RE                                         | 8.9                          | 4.61                                     | 62.3         | 150                  |
| 0945 008             | 1x6 RE                                         | 9.4                          | 3.08                                     | 83.5         | 177                  |
| 0945 009             | 1x10 RE                                        | 10.2                         | 1.83                                     | 125.4        | 229                  |
| 0945 010             | 1x16 RE                                        | 11.1                         | 1.15                                     | 186.2        | 297                  |
| 0945 011             | 1x25 RM                                        | 13.1                         | 0.727                                    | 281.0        | 421                  |
| 0945 012             | 1x35 RM                                        | 14.1                         | 0.524                                    | 381.0        | 526                  |
| 0945 013             | 1x50 RM                                        | 15.9                         | 0.387                                    | 531.3        | 688                  |
| 0945 014             | 1x70 RM                                        | 17.5                         | 0.268                                    | 730.0        | 905                  |
| 0945 015             | 1x95 RM                                        | 19.8                         | 0.193                                    | 978.4        | 1242                 |
| 0945 016             | 1x120 RM                                       | 21.3                         | 0.153                                    | 1224.6       | 1451                 |
| 0945 017             | 1x150 RM                                       | 23.4                         | 0.124                                    | 1520.1       | 1789                 |
| 0945 018             | 1x185 RM                                       | 25.6                         | 0.0991                                   | 1865.1       | 2186                 |
| 0945 019             | 1x240 RM                                       | 28.4                         | 0.0754                                   | 2403.8       | 2799                 |
| 0945 020             | 1x300 RM                                       | 30.8                         | 0.0601                                   | 2988.3       | 3383                 |
| 0945 021             | 1x400 RM                                       | 34.4                         | 0.0470                                   | 3962.9       | 4548                 |
| 0945 022             | 1x500 RM                                       | 37.6                         | 0.0366                                   | 4935.6       | 5602                 |
| YKYektmyn 0,6/1 kV   |                                                |                              |                                          |              |                      |
| 0945 023             | 2x1 RE                                         | 9.8                          | 18.1                                     | 47.0         | 164                  |
| 0945 024             | 2x1,5 RE                                       | 10.3                         | 12.1                                     | 58.6         | 185                  |
| 0945 025             | 2x2,5 RE                                       | 11.1                         | 7.41                                     | 80.6         | 224                  |
| 0945 026             | 2x4 RE                                         | 12.8                         | 4.61                                     | 116.7        | 304                  |
| 0945 027             | 2x6 RE                                         | 13.8                         | 3.08                                     | 159.2        | 370                  |
| 0945 028             | 2x10 RE                                        | 15.6                         | 1.83                                     | 242.4        | 501                  |
| 0945 029             | 2x16 RE                                        | 17.4                         | 1.15                                     | 364.9        | 668                  |
| 0945 030             | 2x25 RM                                        | 21.5                         | 0.727                                    | 553.2        | 1003                 |
| 0945 031             | 2x35 RM                                        | 24.3                         | 0.524                                    | 755.8        | 1310                 |
| YKYektmynžo 0,6/1 kV |                                                |                              |                                          |              |                      |
| 1156 002             | 3x1 RE                                         | 10.2                         | 18.1                                     | 58.2         | 181                  |
| 1156 003             | 3x1,5 RE                                       | 10.7                         | 12.1                                     | 74.8         | 207                  |
| 1156 001             | 3x2,5 RE                                       | 11.5                         | 7.41                                     | 106.6        | 253                  |
| 1156 004             | 3x4 RE                                         | 13.4                         | 4.61                                     | 157.5        | 351                  |
| 1156 005             | 3x6 RE                                         | 14.5                         | 3.08                                     | 219.5        | 436                  |
| 1156 006             | 3x10 RE                                        | 16.4                         | 1.83                                     | 341.9        | 603                  |
| 1156 007             | 3x16 RE                                        | 18.3                         | 1.15                                     | 522.2        | 819                  |
| 1156 008             | 3x25 RM                                        | 23.0                         | 0.727                                    | 798.6        | 1250                 |
| 1156 009             | 3x35 RM                                        | 25.8                         | 0.524                                    | 1097.9       | 1635                 |
| 1156 010             | 3x50 SM                                        | 27.0                         | 0.387                                    | 1543.1       | 2160                 |
| 1156 011             | 3x70 SM                                        | 30.7                         | 0.268                                    | 2135.1       | 2643                 |

| Product No.          | Number of conductors x conductor cross-section | Cable outer diameter (appr.) | DC conductor resistance at 20°C, maximum | Copper index | Cable weight (appr.) |
|----------------------|------------------------------------------------|------------------------------|------------------------------------------|--------------|----------------------|
|                      | mm <sup>2</sup>                                | mm                           | Ω/km                                     | kg/km        | kg/km                |
| 1156 012             | 3x95 SM                                        | 35.7                         | 0.193                                    | 2875.6       | 3705                 |
| 1156 013             | 3x120 SM                                       | 38.7                         | 0.153                                    | 3607.6       | 4369                 |
| 1156 014             | 3x150 SM                                       | 43.1                         | 0.124                                    | 4491.2       | 5450                 |
| 1156 015             | 3x185 SM                                       | 47.7                         | 0.0991                                   | 5516.9       | 6707                 |
| 1156 016             | 3x240 SM                                       | 53.5                         | 0.0754                                   | 7126.8       | 8658                 |
| YKYektmynžo 0,6/1 kV |                                                |                              |                                          |              |                      |
| 1156 017             | 4x1 RE                                         | 10.8                         | 18.1                                     | 70.2         | 205                  |
| 1156 018             | 4x1,5 RE                                       | 11.4                         | 12.1                                     | 91.8         | 238                  |
| 1156 019             | 4x2,5 RE                                       | 12.3                         | 7.41                                     | 134.0        | 294                  |
| 1156 020             | 4x4 RE                                         | 14.4                         | 4.61                                     | 199.9        | 416                  |
| 1156 021             | 4x6 RE                                         | 15.8                         | 3.08                                     | 281.6        | 530                  |
| 1156 022             | 4x10 RE                                        | 17.7                         | 1.83                                     | 442.8        | 731                  |
| 1156 023             | 4x16 RE                                        | 20.1                         | 1.15                                     | 682.0        | 1021                 |
| 1156 024             | 4x25 RM                                        | 25.1                         | 0.727                                    | 1047.4       | 1549                 |
| 1156 025             | 4x35 RM                                        | 28.3                         | 0.524                                    | 1443.1       | 2043                 |
| 1156 026             | 4x50 SM                                        | 30.1                         | 0.387                                    | 2036.6       | 2756                 |
| 1156 027             | 4x70 SM                                        | 33.9                         | 0.268                                    | 2820.1       | 3337                 |
| 1156 028             | 4x95 SM                                        | 39.4                         | 0.193                                    | 3803.2       | 4695                 |
| 1156 029             | 4x120 SM                                       | 43.1                         | 0.153                                    | 4778.9       | 5585                 |
| 1156 030             | 4x150 SM                                       | 47.6                         | 0.124                                    | 5948.5       | 6908                 |
| 1156 031             | 4x185 SM                                       | 53.2                         | 0.0991                                   | 7317.4       | 8609                 |
| 1156 032             | 4x240 SM                                       | 59.3                         | 0.0754                                   | 9455.1       | 11053                |
| YKYektmynžo 0,6/1 kV |                                                |                              |                                          |              |                      |
| 1156 033             | 5x1 RE                                         | 11.5                         | 18.1                                     | 82.6         | 235                  |
| 1156 034             | 5x1,5 RE                                       | 12.2                         | 12.1                                     | 109.4        | 276                  |
| 1156 035             | 5x2,5 RE                                       | 13.2                         | 7.41                                     | 161.2        | 345                  |
| 1156 036             | 5x4 RE                                         | 15.7                         | 4.61                                     | 243.0        | 497                  |
| 1156 037             | 5x6 RE                                         | 17.1                         | 3.08                                     | 344.4        | 627                  |
| 1156 038             | 5x10 RE                                        | 19.4                         | 1.83                                     | 545.2        | 884                  |
| 1156 039             | 5x16 RE                                        | 21.9                         | 1.15                                     | 843.1        | 1229                 |
| 1156 040             | 5x25 RM                                        | 27.6                         | 0.727                                    | 1296.3       | 1882                 |
| 1156 041             | 5x35 RM                                        | 31.1                         | 0.524                                    | 1789.6       | 2486                 |
| 1156 042             | 5x50 SM                                        | 33.0                         | 0.387                                    | 2528.6       | 3355                 |
| 1156 043             | 5x70 SM                                        | 37.6                         | 0.268                                    | 3508.5       | 4119                 |
| 1156 044             | 5x95 SM                                        | 43.7                         | 0.193                                    | 4733.1       | 5793                 |
| 1156 045             | 5x120 SM                                       | 47.4                         | 0.153                                    | 5947.8       | 6833                 |
| 1156 046             | 5x150 SM                                       | 53.0                         | 0.124                                    | 7412.6       | 8555                 |
| 1156 047             | 5x185 SM                                       | 58.6                         | 0.0991                                   | 9113.7       | 10554                |
| 1156 048             | 5x240 SM                                       | 62.3                         | 0.0754                                   | 11770.8      | 12974                |

Other cross-sections and conductor counts available on request.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.