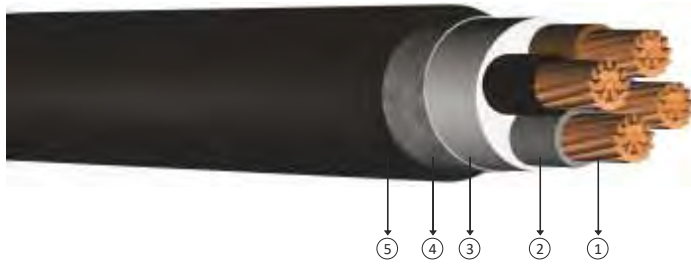


# 0,6/1 kV PVC Insulated, double steel tape armoured, multi-core cables with copper conductor



**Code:** YVZ4V-U, YVZ4V-R, NYBY

U: Solid Conductor  
R: Stranded Conductor

**Standards:** IEC 60502-1, VDE 0276-603

**Technical Data**

Max. operating temperature : 70°C  
 Max. short circuit temperature : (max. 5 sec.)  
 Cross section • 300 mm<sup>2</sup> : 160°C  
 Cross section > 300 mm<sup>2</sup> : 140°C  
 Rated voltage : 0,6/1 kV  
 Min. bending radius : 15 x D  
 D : Cable outer diameter

**Application**

Indoor and outdoor applications, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

**Construction**

- 1 Solid or stranded copper conductor
- 2 PVC insulation
- 3 Thermoplastic filler
- 4 Galvanized double steel tape
- 5 PVC outer sheath

| DIMENSION AND WEIGHTS |                           |                     |                 | ELECTRICAL PROPERTIES               |                               |                |
|-----------------------|---------------------------|---------------------|-----------------|-------------------------------------|-------------------------------|----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20°C Max | Current Carrying Capacity (A) |                |
| mm <sup>2</sup>       | mm                        | kg/km               | m               | Ω/km                                | In ground at 20°C             | In air at 30°C |
| 4x1,5                 | 14,0                      | 360                 | 1000            | 12,1                                | 26                            | 18.5           |
| 4x2,5                 | 15,0                      | 440                 | 1000            | 7,41                                | 34                            | 25             |
| 4x4                   | 17,0                      | 580                 | 1000            | 4,61                                | 44                            | 34             |
| 4x6                   | 18,0                      | 700                 | 1000            | 3,08                                | 56                            | 43             |
| 4x10                  | 21,0                      | 980                 | 1000            | 1,83                                | 75                            | 60             |
| 4x16                  | 23,5                      | 1300                | 1000            | 1,15                                | 98                            | 80             |
| 4x25                  | 27,0                      | 1850                | 1000            | 0,727                               | 128                           | 106            |
| 4x35                  | 29,5                      | 2350                | 1000            | 0,524                               | 157                           | 131            |
| 4x50                  | 34,0                      | 3100                | 1000            | 0,387                               | 185                           | 159            |
| 4x70                  | 39,0                      | 4450                | 1000            | 0,268                               | 228                           | 202            |
| 4x95                  | 44,5                      | 5800                | 500             | 0,193                               | 275                           | 244            |
| 4x120                 | 49,0                      | 7100                | 500             | 0,153                               | 313                           | 282            |
| 4x150                 | 53,5                      | 8600                | 500             | 0,124                               | 353                           | 324            |
| 4x185                 | 59,0                      | 10500               | 250             | 0,0991                              | 399                           | 371            |
| 4x240                 | 67,0                      | 13400               | 250             | 0,0754                              | 464                           | 436            |
| 4x300                 | 75,5                      | 16600               | 250             | 0,0601                              | 524                           | 481            |
| 4x400                 | 85,5                      | 21650               | 250             | 0,0470                              | 600                           | 560            |

Note : Current carrying capacities are valid under the following conditions;  
 In ground : 20°C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0,7  
 In air : 30°C, load factor 1,0  
 Number of system : 1