

# PVC INSULATED AND SHEATHED SINGLE CORE -Aluminum Consumer Connection Cables 0.6/1KV

**SPECIFICATION:** BS 6004, IEC 60502-1.

**TYPE:** NAYY

**IDENTIFICATION:**  
 N: Standard cable type  
 A: Aluminum conductor  
 Y: PVC Insulation  
 Y: PVC Sheath

**APPLICATION:** For housing, offices and for laying underground with additional protection (where likely mechanical damage) and also use in switch and distribution boards

| NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup> | CONDUCTOR NUMBER X DIAMETER OF WIRE mm | RADIAL THICKNESS OF |           | APPROXIMATE OVERALL DIAMETER mm | MAXIMUM CURRENT RATING A in air | WEIGHT kg/ STANDARD LENGTH kg | STANDARD DELIVERY LENGTH m | DELIVERY FORM drum |
|--|--|---------------------|-----------|---------------------------------|---------------------------------|-------------------------------|----------------------------|--------------------|
|  |  | Insulat mm          | sheath mm |                                 |                                 |                               |                            |                    |
| 4  | 1/2.25                                 | 0.8                 | 0.9       | 5.7                             | 30                              | 4                             | 100                        | Coil               |
| 6  | 1/2.76                                 | 0.8                 | 0.9       | 6.2                             | 36                              | 5                             | 100                        | Coil               |
| 10   | 1/3.57                                 | 1.0                 | 0.9       | 7.4                             | 49                              | 7                             | 100                        | Coil               |
| 16   | 7/1.70                                 | 1.0                 | 1.0       | 9.1                             | 63                              | 11                            | 100                        | Coil               |
| 25   | 7/2.14                                 | 1.2                 | 1.1       | 11.0                            | 82                              | 17                            | 100                        | Coil               |
| 35   | 7/2.52                                 | 1.2                 | 1.1       | 12.2                            | 100                             | 103                           | 100                        | Coil               |
| 50   | 19/1.78                                | 1.4                 | 1.2       | 14.1                            | 124                             | 269                           | 500                        | R8drum             |
| 70   | 19/2.14                                | 1.4                 | 1.2       | 15.9                            | 157                             | 343                           | 1000                       | R10drum            |
| 95   | 19/2.52                                | 1.6                 | 1.3       | 18.4                            | 194                             | 473                           | 1000                       | R12drum            |
| 120  | 37/2.03                                | 1.6                 | 1.4       | 20.2                            | 227                             | 570                           | 1000                       | R12drum            |
| 150  | 37/2.25                                | 1.8                 | 1.5       | 22.4                            | 259                             | 697                           | 1000                       | R14drum            |
| 185  | 37/2.52                                | 2.0                 | 1.6       | 24.8                            | 300                             | 863                           | 1000                       | R14drum            |
| 240  | 61/2.25                                | 2.2                 | 1.7       | 28.1                            | 358                             | 1101                          | 1000                       | R16drum            |
| 300  | 61/2.52                                | 2.4                 | 1.8       | 30.9                            | 414                             | 678                           | 500                        | R14drum            |
| 400  | 61/2.85                                | 2.6                 | 1.9       | 34.7                            | 500                             | 849                           | 500                        | R14drum            |
| 500  | 61/3.20                                | 2.8                 | 2.1       | 38.6                            | 574                             | 1056                          | 500                        | R16drum            |
| 630  | 91/2.96                                | 2.8                 | 2.2       | 42.6                            | 657                             | 1296                          | 500                        | R18drum            |
| 800*   | 127/2.85                               | 2.8                 | 2.4       | 47.5                            | 772                             | 1630                          | 500                        | R20drum            |

Solid aluminum conductor up to 10mm<sup>2</sup>

\*Adapted to IEC 60502-1.