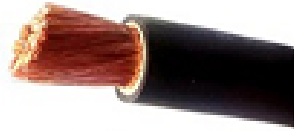


Vandapower distributes the Global Cables brand of high quality power and data cables. Both single conductor and multi conductor, both European and UL standards. Please feel free to contact us for any special cable requirements.

# Single Conductor Cable



### DOUBLE INSULATED PVC-NBR CABLE



#### TECHNICAL SPECIFICATIONS

|                               |  |
|-------------------------------|--|
| <b>Cable standards</b>        | EN 60228, Cl. 6  |
| <b>Voltage rating</b>         | 600 V / 1000 v   |
| <b>Temperature rating</b>     | -35°C to +80°C   |
| <b>Cable construction</b>     | Super fine strands of annealed bare copper as per EN 60228, Cl. 6 NBR (80%) and PVC (20%) insulation and outer sheath  |
| <b>Minimum bending radius</b> | 5 x overall diameter   |
| <b>Special properties</b>     | The heavy duty cable is resistant to flame, oil, abrasions, tar and grease. The cable is suitable for use in open air, in dry as well as in damp interiors. The high degree of flexibility avoids formation of knots in the cable. |

#### CABLE DESIGN PARAMETERS

| Nominal Cross-Section (mm <sup>2</sup> ) | Number of strands | Nominal thickness of insulation (mm) | Max. Diameter of wires in Conductor (mm) | Nominal overall diameter (mm) | Max. DC Conductor Resistance at 20°C (Ω/km) | Approx Weight (kg/km) |
|--|-------------------|--------------------------------------|--|-------------------------------|---|-----------------------|
| 25                                       | 816               | 3,0                                  | 0,20                                     | 12,3                          | 0,78  | 350                   |
| 35                                       | 1144              | 3,1                                  | 0,20                                     | 13,6                          | 0,554                                       | 460                   |
| 50                                       | 1662              | 3,2                                  | 0,20                                     | 15,4                          | 0,386                                       | 630                   |
| 70                                       | 2346              | 3,3                                  | 0,20                                     | 17,3                          | 0,272                                       | 880                   |
| 95                                       | 3050              | 3,8                                  | 0,20                                     | 19,8                          | 0,206                                       | 1095                  |

#### ELECTRICAL PROPERTIES

| Nominal Cross-Section (mm <sup>2</sup> ) | Current rating at a maximum duty cycle of |     |     |     |     |
|--|---|-----|-----|-----|-----|
|  | 100%                                      | 85% | 60% | 30% | 20% |
| 25                                       | 125                                       | 136 | 161 | 228 | 279 |
| 35                                       | 156                                       | 169 | 201 | 285 | 349 |
| 50                                       | 197                                       | 214 | 254 | 360 | 440 |
| 70                                       | 248                                       | 269 | 320 | 453 | 555 |
| 95                                       | 299                                       | 342 | 386 | 546 | 669 |

Current rating of general service normal duty elastomeric compound covered cable with copper conductor.  
Ambient air temperature of 30°C and maximum conductor temperature of 60°C.

| <b>PRODUCT CODES</b>  |              |                                 |  |
|---|--------------|---------------------------------|--|
| <b>Per meter</b>  |              |                                 |  |
|  |              |                                 |  |
| <b>ORDERING CODE</b>  | <b>COLOR</b> | <b>SECTION (mm<sup>2</sup>)</b> | <b>Factory Packaging<br/>(standard drum length in m)</b> |
| K-2IPN-16   | Black        | 16                              | 500  |
| K-2IPN-25   | Black        | 25                              | 500  |
| K-2IPN-35   | Black        | 35                              | 500  |
| K-2IPN-50   | Black        | 50                              | 250  |
| K-2IPN-70   | Black        | 70                              | 250  |
| K-2IPN-95   | Black        | 95                              | 250  |
| K-2IPN-16-ORN   | Orange       | 16                              | 500  |
| K-2IPN-25-ORN   | Orange       | 25                              | 500  |
| K-2IPN-35-ORN   | Orange       | 35                              | 500  |
| K-2IPN-50-ORN   | Orange       | 50                              | 250  |
| K-2IPN-70-ORN   | Orange       | 70                              | 250  |
| K-2IPN-95-ORN   | Orange       | 95                              | 250  |

**ORDERING CODE FOR BULK**

Example:

**K-2IPN-16-025M-0**

Cable: \_\_\_\_\_

Double insulated Battery Cable

Section and color: \_\_\_\_\_

16 - 16 mm<sup>2</sup> Black

16-ORN - 16 mm<sup>2</sup> - Orange

25 - 25 mm<sup>2</sup> Black

25-ORN - 25 mm<sup>2</sup> - Orange

35 - 35 mm<sup>2</sup> Black

35-ORN - 35 mm<sup>2</sup> - Orange

50 - 50 mm<sup>2</sup> Black

50-ORN - 50 mm<sup>2</sup> - Orange

70 - 70 mm<sup>2</sup> Black

70-ORN - 70 mm<sup>2</sup> - Orange

95 - 95 mm<sup>2</sup> Black

95-ORN - 95 mm<sup>2</sup> - Orange

Length: \_\_\_\_\_

025M - 25 meter

050M - 50 meter

100M - 100 meter

Packaging: \_\_\_\_\_



0 - Ring with cable ties (*standard packaging*)

F - Plastic shrink foil

T - Plywood drum

P - Plastic drum

W - Wooden drum

| <b>BULK PACKAGING</b> |   |   |
|-----------------------|---|---|
| <b>Code</b>           | <b>Description</b>                                  | <b>Picture</b>  |
| 0                     | Ring with cable ties<br>= <i>standard packaging</i> |    |
| F                     | Plastic shrink foil                                 |    |
| T                     | Plywood drum  |   |
| P                     | Plastic drum  |  |
| W                     | Wooden drum   |  |