

## Definition

**Technical definition:** .....RV-K 0.6/1 kV

**Voltage rating:** ..... 0.6/1 kV

**max. operative temperature:**  
**operating service:** .....90°C  
**short-circuit (5 s.):**.....250°C

**Voltage test:**      Alternating current.....3.5 kV.  
                              Direct current.....8.5 kV.

### Constructive description:

Built according to UNE 21123-2 standard:

- 1** Flexible electrolytic copper conductor class 5 according to UNE-EN 60228/ EN 60228 /IEC 60228 standard.
- 2** XLPE insulation- cross-linked polyethylene type DIX 3 according to UNE HD 603-1 index 2 A.
- 3** PVC sheath type DMV-18 according to UNE HD 603-1 index 4A.

They appear in single-core formation and multicore of 1 to 5 insulated phases, depending on the installation necessities.

**Minimum temperature allowed for the cable laying during it** \_\_\_\_\_



## Applications

**Installation type:** .....FIXED.

### Users Guide:

**RV-K:** "for transport and distribution of electrical energy in fixed facilities, protected or not. Adapted for inner and outer facilities, on supports to the air, in buried tubes or. Unsuitable for submerged pumps." (UNE 21123-2).

It's specially indicated for its use in distribution networks, attacks, public lighting installations and industrial facilities, whenever an important fire risk does not exist. Its great flexibility makes them specially recommended in complex geometry facilities.

### Suitable methods of installation:

The horizontal range between the clips will not be more than 20 times the diameter of the cable. The distance also is valid between points of support in case of tending on grids carries cables or on trays. In no case this distance must exceed the 80 cm.

## Functional characteristics

### A) Flexibility:

The use of flexible copper conductor forming a rope yarn of several very fine threads in combination with the isolation and PVC sheath provides these cables with exceptional degree of flexibility.

### B) Non flame propagation test:

The composition of the PVC sheath type DMV-18, guarantees the non-flame propagation according to UNE-EN 60332-2-1 ; EN 60332-2-1 ; IEC 60332-2-1 standards.

### C) Behaviour outdoors:

It provides an optimal protection against possible environmental agents, allowing its installation outdoors, underground, even in the presence of non-permanent humidity.

### D) High temperature on service:

The isolation of XLPE, improves the capacity of power transmission, elevating temperature in operating service up to 90°C and short - circuit (5 s.) up to 250°C, in contrast with 70/160°C of PVC.

0,6 / 1 kV

 90°     
 RV-K 0,6 / 1 kV


### Dimensional characteristics

| Code                                                                                      | Nominal cross section                                                             | Ø Overall                                                                         | Insulation thickness                                                              | Weight                                                                             | Conductor resistance 20°C                                                           |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          |  |  |  |  |  |
|                                                                                           | mm <sup>2</sup>                                                                   | mm                                                                                | mm                                                                                | Kg/km                                                                              | Ohm/km                                                                              |
| RV-K 0,6/1KV                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|  86202   | 1x1,5                                                                             | 5,97                                                                              | 0,7                                                                               | 42                                                                                 | 13,3                                                                                |
|  86203   | 1x2,5                                                                             | 6,36                                                                              | 0,7                                                                               | 57                                                                                 | 7,98                                                                                |
|  86204   | 1x4                                                                               | 7,02                                                                              | 0,7                                                                               | 78,5                                                                               | 4,95                                                                                |
|  86205   | 1x6                                                                               | 7,51                                                                              | 0,7                                                                               | 94                                                                                 | 3,30                                                                                |
|  86206   | 1x10                                                                              | 8,47                                                                              | 0,7                                                                               | 139                                                                                | 1,91                                                                                |
|  86207   | 1x16                                                                              | 9,68                                                                              | 0,7                                                                               | 207,8                                                                              | 1,21                                                                                |
|  86208   | 1x25                                                                              | 11,2                                                                              | 0,9                                                                               | 291,3                                                                              | 0,780                                                                               |
|  86209   | 1x35                                                                              | 12,4                                                                              | 0,9                                                                               | 388,2                                                                              | 0,554                                                                               |
|  86210  | 1x50                                                                              | 13,9                                                                              | 1                                                                                 | 540                                                                                | 0,386                                                                               |
|  86211 | 1x70                                                                              | 17                                                                                | 1,1                                                                               | 729                                                                                | 0,272                                                                               |
|  86212 | 1x95                                                                              | 18,2                                                                              | 1,1                                                                               | 946,4                                                                              | 0,206                                                                               |
|  86213 | 1x120                                                                             | 20,5                                                                              | 1,2                                                                               | 1196                                                                               | 0,161                                                                               |
|  86214 | 1x150                                                                             | 22,5                                                                              | 1,4                                                                               | 1490                                                                               | 0,129                                                                               |
|  86215 | 1x185                                                                             | 25,6                                                                              | 1,6                                                                               | 1812                                                                               | 0,106                                                                               |
|  86216 | 1x240                                                                             | 28,2                                                                              | 1,7                                                                               | 2375                                                                               | 0,0801                                                                              |
|  86217 | 1x300                                                                             | 31                                                                                | 1,8                                                                               | 2943                                                                               | 0,0641                                                                              |
|  86221 | 2x1,5                                                                             | 8,71                                                                              | 0,7                                                                               | 95,5                                                                               | 13,3                                                                                |
|  86222 | 2x2,5                                                                             | 9,82                                                                              | 0,7                                                                               | 131                                                                                | 7,98                                                                                |
|  86223 | 2x4                                                                               | 10,96                                                                             | 0,7                                                                               | 187                                                                                | 4,95                                                                                |
|  86224 | 2x6                                                                               | 13,4                                                                              | 0,7                                                                               | 282,5                                                                              | 3,30                                                                                |
|  86225 | 2x10                                                                              | 15,1                                                                              | 0,7                                                                               | 408                                                                                | 1,91                                                                                |
|  86226 | 2x16                                                                              | 18,1                                                                              | 0,7                                                                               | 508                                                                                | 1,21                                                                                |
|  86227 | 2x25                                                                              | 20,5                                                                              | 0,9                                                                               | 798                                                                                | 0,780                                                                               |
|  86232 | 3G1,5                                                                             | 9,5                                                                               | 0,7                                                                               | 115                                                                                | 13,3                                                                                |

XLPE 90°C

0,6 / 1 kV



RV-K 0,6 / 1 kV

Next 

| Code                                                                              | Nominal cross section                                                             | Ø Overall                                                                         | Insulation thickness                                                               | Weight                                                                              | Conductor resistance 20°C                                                           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
|                                                                                   | mm <sup>2</sup>                                                                   | mm                                                                                | mm                                                                                 | Kg/km                                                                               | Ohm/km                                                                              |

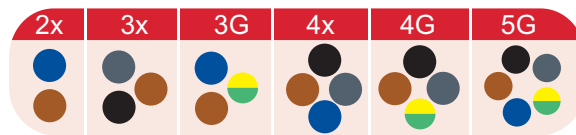
| RV-K 0,6/1 K V                                                                            |       |      |     |      |       |
|-------------------------------------------------------------------------------------------|-------|------|-----|------|-------|
|  86233   | 3G2,5 | 10,2 | 0,7 | 151  | 7,98  |
|  86234   | 3G4   | 11,5 | 0,7 | 217  | 4,95  |
|  86235   | 3G6   | 14,3 | 0,7 | 329  | 3,30  |
|  86236   | 3G10  | 16,4 | 0,7 | 475  | 1,91  |
|  86237   | 3x16  | 19   | 0,7 | 730  | 1,21  |
| 86238                                                                                     | 3x25  | 22,5 | 0,9 | 1042 | 0,780 |
|  86247   | 4G1,5 | 9,8  | 0,7 | 132  | 0,780 |
|  86248  | 4G2,5 | 11,3 | 0,7 | 185  | 0,554 |
|  86249 | 4G4   | 12,6 | 0,7 | 258  | 0,386 |
|  86250 | 4G6   | 15,3 | 0,7 | 402  | 0,272 |
|  86251 | 4G10  | 17,6 | 0,7 | 620  | 0,206 |
| 86252                                                                                     | 4x16  | 21,1 | 0,7 | 948  | 0,161 |
|  81764 | 5G1,5 | 11,1 | 0,7 | 163  | 0,129 |
|  81766 | 5G2,5 | 12,5 | 0,7 | 222  | 13,3  |
|  81767 | 5G4   | 14   | 0,7 | 316  | 7,90  |
|  81768 | 5G6   | 16,7 | 0,7 | 496  | 4,95  |
|  81765 | 5G10  | 19   | 0,7 | 750  | 3,30  |
|  81778 | 5G16  | 23,1 | 0,7 | 1130 | 1,91  |
|  81792 | 5G25  | 28,7 | 0,9 | 1683 | 1,21  |
|  86253 | 4x25  | 23,5 | 0,9 | 1243 | 13,3  |
|  86260 | 4x35  | 27,3 | 0,9 | 1701 | 7,98  |
|  86261 | 4x50  | 31,5 | 1   | 2346 | 4,95  |
|  86264 | 4x70  | 36   | 1,1 | 3231 | 3,30  |
|  86262 | 4x95  | 41,3 | 1,1 | 4231 | 1,91  |
|  86263 | 4x120 | 47,8 | 1,2 | 5494 | 1,21  |
|  86265 | 4x150 | 53,2 | 1,4 | 6927 | 0,780 |



Available references of permanent stock and **Integrated Service** net



### Colours



### Presentation

Boxes, packages and standard pallet sizes

| Cable type     | M. pallet | Nominal section | meters |
|----------------|-----------|-----------------|--------|
| BARRYFLEX RV-K | 4800      | 2x1,5           | 100    |
| BARRYFLEX RV-K | 3600      | 2x2,5           | 100    |
| BARRYFLEX RV-K | 3000      | 2X4             | 100    |
| BARRYFLEX RV-K | 2800      | 2X6             | 100    |
| BARRYFLEX RV-K | 4800      | 3G1,5           | 100    |
| BARRYFLEX RV-K | 3600      | 3G2,5           | 100    |
| BARRYFLEX RV-K | 3000      | 3G4             | 100    |
| BARRYFLEX RV-K | 2800      | 3G6             | 100    |
| BARRYFLEX RV-K | 4200      | 4G1,5           | 100    |
| BARRYFLEX RV-K | 3000      | 4G2,5           | 100    |
| BARRYFLEX RV-K | 3000      | 4G4             | 100    |
| BARRYFLEX RV-K | 1500      | 4G6             | 100    |
| BARRYFLEX RV-K | 3600      | 5G1,5           | 100    |
| BARRYFLEX RV-K | 3000      | 5G2,5           | 100    |
| BARRYFLEX RV-K | 2800      | 5G4             | 100    |
| BARRYFLEX RV-K | 1500      | 5G6             | 100    |

\* Rest of sizes: available in drums