

## Cables 0,6/1 kV

# RVFV 0,6/1 kV



### Description

Manufactured with steel band, which provides high protection against rodents and mechanical damage, they are indicated for the transport and distribution of low voltage electricity. Their use is recommended for industrial connections, service connections, internal distribution and outdoor connections. It can be used in underground networks and permanent installations.  
Reference Standards: UNE 21123, HD 603 S1 and IEC 60502

### Applications

- Suitable for the following installations:
- Underground networks for low voltage distribution
  - Outdoor lighting installations
  - Indoor or receiver installations
  - Installations in premises with special characteristics

### Technical Characteristics

|                     |   |
|---------------------|---|
| 1. Conductor        | Electrolytic copper, Class I and II, according to BS EN 60228:2005 (previously BS6360) and UNE 60228. |
| 2. Insulation       | Cross-linked polyethylene (XLPE), type DIX-3, according to UNE 21123 and HD 603S1                     |
| 3. Armour bedding   | PVC   |
| 4. Metallic armour  | Double steel tape armour  |
| 5. Sheath           | PVC Sheath type DMV-18 according to UNE 21123 and HD 603S1  |
| Nominal voltage     | 0,6/1 kV  |
| Test voltage        | 3.500 V A.C.  |
| Maximum temperature | 90 °C   |

#### Other characteristics

Colours according to UNE 21089 and HD 303S2 (colour marking when less than five conductors) and UNE-EN 50334 and EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

The use of cross-linked polyethylene (XLPE) admits greater current density, at equal section, respect to the insulation with PVC.

CPR Classification according to EN 50575

**Dimensions**

| Section (mm <sup>2</sup> ) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|----------------------------|------------------------------|------------------------|----------------|-------|
| 2x1,5                      | 12,1                         | 12,40                  | 199            | Eca   |
| 2x2,5                      | 7,41                         | 13,30                  | 236            | Eca   |
| 2x4                        | 4,61                         | 14,45                  | 293            | Eca   |
| 2x6                        | 3,08                         | 15,80                  | 415            | Eca   |
| 2x10                       | 1,83                         | 17,20                  | 499            | Eca   |
| 2x16                       | 1,15                         | 20,20                  | 666            | Eca   |
| 2x25                       | 0,727                        | 23,80                  | 967            | Eca   |
| 2x35                       | 0,524                        | 26,40                  | 1.244          | Eca   |
| 2x50                       | 0,387                        | 30,20                  | 1.625          | -     |
| 3G1,5                      | 12,1                         | 12,70                  | 220            | Eca   |
| 3G2,5                      | 7,41                         | 13,60                  | 265            | Eca   |
| 3G4                        | 4,61                         | 14,80                  | 337            | Eca   |
| 3G6                        | 3,08                         | 16,35                  | 473            | Eca   |
| 3G10                       | 1,83                         | 18,15                  | 597            | Eca   |
| 3x16                       | 1,15                         | 21,40                  | 812            | Eca   |
| 3x25                       | 0,727                        | 25,10                  | 1.195          | Eca   |
| 3x35                       | 0,542                        | 28,10                  | 1.552          | -     |
| 3x50                       | 0,387                        | 32,70                  | 2.049          | -     |
| 4x1,5                      | 12,1                         | 13,50                  | 248            | Eca   |
| 4x2,5                      | 7,41                         | 14,40                  | 305            | Eca   |
| 4x4                        | 4,61                         | 15,75                  | 393            | Eca   |
| 4x6                        | 3,08                         | 17,55                  | 561            | Eca   |
| 4x10                       | 1,83                         | 19,35                  | 715            | Eca   |

| Section (mm <sup>2</sup> ) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|----------------------------|------------------------------|------------------------|----------------|-------|
| 4x16                       | 1,15                         | 22,40                  | 986            | Eca   |
| 4x25                       | 0,727                        | 27,40                  | 1.464          | Eca   |
| 4x35                       | 0,524                        | 29,90                  | 1.914          | -     |
| 4x50                       | 0,387                        | 33,70                  | 2.541          | -     |
| 4x70                       | 0,268                        | 41,00                  | 3.842          | -     |
| 5x1,5                      | 12,1                         | 14,30                  | 279            | Eca   |
| 5x2,5                      | 7,41                         | 15,20                  | 347            | Eca   |
| 5x4                        | 4,61                         | 16,85                  | 452            | Eca   |
| 5x6                        | 3,08                         | 18,90                  | 653            | Eca   |
| 5x10                       | 1,83                         | 20,65                  | 839            | Eca   |
| 5x16                       | 1,15                         | 24,60                  | 1.167          | Eca   |
| 5x25                       | 0,727                        | 29,90                  | 1.745          | -     |
| 5x35                       | 0,524                        | 32,90                  | 2.290          | -     |
| 5x50                       | 0,387                        | 37,00                  | 3.051          | -     |
| 7x1,5                      | 12,1                         | 15,25                  | 327            | Eca   |
| 7x2,5                      | 7,41                         | 16,40                  | 414            | Eca   |
| 10x1,5                     | 12,1                         | 16,75                  | 408            | Eca   |
| 12x1,5                     | 12,1                         | 17,60                  | 457            | Eca   |
| 12x2,5                     | 7,41                         | 19,15                  | 595            | Eca   |
| 19x1,5                     | 12,1                         | 20,85                  | 637            | Eca   |
| 27x2,5                     | 7,41                         | 24,50                  | 1.071          | Eca   |
| 37x1,5                     | 12,1                         | 25,75                  | 1.028          | Eca   |
| 37x2,5                     | 7,41                         | 25,75                  | 1.407          | Eca   |

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