



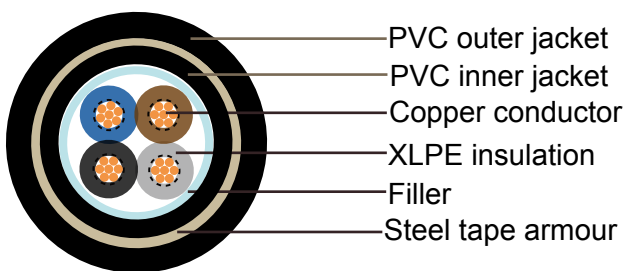
U-1000 RVFV

Application

With a sheath and armor, U-1000 RVFV is an enhanced version of the cables and U-1000 R2V They are suitable for direct burial without extra mechanical protection, fixed to the walls, laid on cable trays or raceways. May also be suitable for use in premises which poses a risk of explosion (rank BE3 NF C 15-100) with mechanical protection is necessary and in this case the intensity must be reduced by 15%.

Standard and Approval

NF C 32-322



U1000 RVFV



U1000 RVFV

Cable Construction

- Flexible copper strands
- Strands to IEC 60228, $\leq 4\text{mm}^2$, class 1, $\geq 6\text{mm}^2$, class 2
- XLPE insulation according to NF C 32-321
- Color codes to HD 308 S2(NF C32-321)
- Not fibrous and not hygroscopic filler
- PVC inner jacket
- Two steel tapes helically wrapped armour
- Flexible black PVC outer jacket



French Standard

Technical Characteristics

- Working Voltage: 600/1000 volts
- Test voltage: 1000 volts
- Minimum bending radius: 6 x Ø
- Operation temperature range: -10 °C to 60 °C
- Short-circuit temperature: 250 °C
- Flame retardant: NF C 32-070 C2
- Insulation resistance: 20 MΩ x km

Cable Parameter

| AWG | Cross Section mm ² | Insulation thickness mm | Amour thickness mm | Minimum Sheath thickness mm | Maximum Overall diameter mm | Approx Cable weight kg/km |
|--------|-------------------------------|-------------------------|--------------------|-----------------------------|-----------------------------|---------------------------|
| 16 | 2x1.5 | 0.7 | 0.2 | 1.3 | 11.5 | 230 |
| 14 | 2x2.5 | 0.7 | 0.2 | 1.3 | 12.5 | 275 |
| 12 | 2x4 | 0.7 | 0.2 | 1.4 | 13.5 | 330 |
| 10 | 2x6 | 0.7 | 0.2 | 1.4 | 15.5 | 430 |
| 8 | 2x10 | 0.7 | 0.2 | 1.4 | 16.5 | 555 |
| 6 | 2x16 | 0.7 | 0.2 | 1.5 | 19 | 770 |
| 4 | 2x25 | 0.9 | 0.2 | 1.6 | 22.5 | 1080 |
| 2 | 2x35 | 0.9 | 0.2 | 1.7 | 25 | 1390 |
| 16 | 3x1.5 | 0.7 | 0.2 | 1.3 | 12 | 255 |
| 14 | 3x2.5 | 0.7 | 0.2 | 1.3 | 13 | 305 |
| 12 | 3x4 | 0.7 | 0.2 | 1.4 | 14 | 380 |
| 10 | 3x6 | 0.7 | 0.2 | 1.4 | 16 | 500 |
| 8 | 3x10 | 0.7 | 0.2 | 1.5 | 17.5 | 665 |
| 6 | 3x16 | 0.7 | 0.2 | 1.5 | 20 | 930 |
| 4 | 3x25 | 0.9 | 0.2 | 1.6 | 24 | 1325 |
| 2 | 3x35 | 0.9 | 0.2 | 1.7 | 26.5 | 1720 |
| 1 | 3x50 | 0.9 | 0.2 | 1.8 | 29 | 2125 |
| 2/0 | 3x70 | 1.1 | 0.2 | 2 | 34.5 | 3080 |
| 3/0 | 3x95 | 1.1 | 0.5 | 2.1 | 40 | 4505 |
| 4/0 | 3x120 | 1.2 | 0.5 | 2.3 | 44.5 | 5540 |
| 300MCM | 3x150 | 1.4 | 0.5 | 2.4 | 48.5 | 6655 |
| 500MCM | 3x185 | 1.6 | 0.5 | 2.5 | 53.5 | 8150 |
| 750MCM | 3x240 | 1.7 | 0.5 | 2.7 | 61 | 10575 |
| - | 3x300 | 1.8 | 0.5 | 2.9 | 66.5 | 13055 |



Addison Industrial Cables

French Standard

| AWG | Cross Section mm ² | Insulation thickness mm | Amour thickness mm | Minimum Sheath thickness mm | Maximum Overall diameter mm | Approx Cable weight kg/km |
|--------|-------------------------------|-------------------------|--------------------|-----------------------------|-----------------------------|---------------------------|
| 1 | 3x50+35 | 1.0/0.9 | 0.2 | 1.9 | 33 | 2730 |
| 2/0 | 3x70+50 | 1.1/0.9 | 0.2 | 2 | 36 | 3440 |
| 3/0 | 3x95+50 | 1.1/1.0 | 0.5 | 2.2 | 42.5 | 5080 |
| 4/0 | 3x120+70 | 1.2/1.1 | 0.5 | 2.3 | 46.5 | 6275 |
| 300MCM | 3x150+70 | 1.4/1.1 | 0.5 | 2.5 | 50 | 7340 |
| 500MCM | 3x185+70 | 1.6/1.1 | 0.5 | 2.6 | 56 | 8975 |
| 750MCM | 3x240+95 | 1.7/1.1 | 0.5 | 2.8 | 62.5 | 11435 |
| 16 | 4x1.5 | 0.7 | 0.2 | 1.3 | 13 | 290 |
| 14 | 4x2.5 | 0.7 | 0.2 | 1.4 | 14 | 355 |
| 12 | 4x4 | 0.7 | 0.2 | 1.4 | 15 | 440 |
| 10 | 4x6 | 0.7 | 0.2 | 1.4 | 17 | 585 |
| 8 | 4x10 | 0.7 | 0.2 | 1.5 | 19 | 800 |
| 6 | 4x16 | 0.7 | 0.2 | 1.6 | 22 | 1120 |
| 4 | 4x25 | 0.9 | 0.2 | 1.7 | 26 | 1650 |
| 2 | 4x35 | 0.9 | 0.2 | 1.8 | 29 | 2135 |
| 1 | 4x50 | 1 | 0.2 | 1.9 | 32.5 | 2745 |
| 2/0 | 4x70 | 1.1 | 0.5 | 2.1 | 39 | 4295 |
| 3/0 | 4x95 | 1.1 | 0.5 | 2.3 | 44.5 | 5660 |
| 4/0 | 4x120 | 1.2 | 0.5 | 2.4 | 48.5 | 6880 |
| 300MCM | 4x150 | 1.4 | 0.5 | 2.6 | 53 | 8315 |
| 500MCM | 4x185 | 1.6 | 0.5 | 2.7 | 60.5 | 10510 |
| 750MCM | 4x240 | 1.7 | 0.5 | 2.9 | 67 | 13370 |
| - | 4x300 | 1.8 | 0.5 | 3.1 | 73 | 16360 |
| 16 | 5x1.5 | 0.7 | 0.2 | 1.4 | 14 | 335 |
| 14 | 5x2.5 | 0.7 | 0.2 | 1.4 | 15 | 415 |
| 12 | 5x4 | 0.7 | 0.2 | 1.4 | 16 | 515 |
| 10 | 5x6 | 0.7 | 0.2 | 1.5 | 18.5 | 705 |
| 8 | 5x10 | 0.7 | 0.2 | 1.6 | 21 | 955 |
| 6 | 5x16 | 0.7 | 0.2 | 1.8 | 23.5 | 1340 |
| 4 | 5x25 | 0.9 | 0.2 | 1.8 | 29.5 | 2085 |
| 16 | 7x1.5 | 0.7 | 0.2 | 1.4 | 15 | 395 |
| 14 | 7x2.5 | 0.7 | 0.2 | 1.4 | 16 | 495 |
| 16 | 12x1.5 | 0.7 | 0.2 | 1.5 | 19 | 605 |
| 14 | 12x2.5 | 0.7 | 0.2 | 1.5 | 20.5 | 750 |
| 16 | 19x1.5 | 0.7 | 0.2 | 1.5 | 21.5 | 775 |
| 14 | 19x2.5 | 0.7 | 0.2 | 1.6 | 24 | 1045 |
| 16 | 24x1.5 | 0.7 | 0.2 | 1.6 | 24.5 | 980 |
| 14 | 24x2.5 | 0.7 | 0.5 | 1.7 | 29 | 1570 |
| 16 | 27x1.5 | 0.7 | 0.2 | 1.7 | 25 | 1050 |
| 14 | 27x2.5 | 0.7 | 0.2 | 1.8 | 28.5 | 1410 |
| 16 | 37x1.5 | 0.7 | 0.2 | 1.7 | 28 | 1320 |
| 14 | 37x2.5 | 0.7 | 0.2 | 1.8 | 31.5 | 1790 |