

## U-1000 R2V/XV/RV Cable - 1.5mm<sup>2</sup> to 630mm<sup>2</sup>



### Description

U-1000 R2V/XV/RV are Class 1/2 Copper, XLPE, PVC power cable designed for power distribution systems in France. They are designed in accordance with Norme Français NF C 32-321, NF C 32-322NF and C 32-070.

The U-1000 defines the cables as having a voltage rating of 600/1000V (0.6/1kV). U-1000 R2V/XV/RV cables have a temperature range of -10°C to +60°C. U-1000 R2V/XV/RV can be installed internally on tray and racking, externally in conduit and ducts

### Key Features

### Core Colours

- 1 core: Black
- 2 core: Brown Blue
- 3 core: Black Brown Blue (For 1.5mm and 2.5mm)
- 3 core: Brown Black Grey
- 3 core with earth: Green Yellow Brown Blue
- 4 core: Black Brown Blue Grey
- 4 core with earth: Green Yellow Black Brown Blue
- 5 core: Black Brown Blue Grey Black
- 5 core with earth: Green Yellow Black Brown Blue Grey
- 7 core and higher: Green Yellow and Black cores with White numbers

### Standards

### Construction

### QA Lab

#### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



#### CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



### Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



#### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

#### ecovadis

## U-1000 R2V/XV/RV Cable - 1.5mm<sup>2</sup> to 630mm<sup>2</sup> - Dimensions

| Reference       | Conductor Size (mm <sup>2</sup> ) | No Of Cores | Insulation Thickness (mm) | Sheath Thickness (mm) | Minimum Bending Radius | Overall Diameter(mm) | Weight(Kg/Km) |
|-----------------|-----------------------------------|-------------|---------------------------|-----------------------|------------------------|----------------------|---------------|
| R2VXVRVCU1X1/5  | 1.5                               | 1           | 0.7                       | 1.0                   | 39                     | 6.5                  | 47            |
| R2VXVRVCU2X1/5  | 1.5                               | 2           | 0.7                       | 1.0                   | 63                     | 10.5                 | 120           |
| R2VXVRVCU3X1.5  | 1.5                               | 3           | 0.7                       | 1.4                   | 66.0                   | 11.0                 | 135           |
| R2VXVRVCU4X1/5  | 1.5                               | 4           | 0.7                       | 1.8                   | 72                     | 12.0                 | 150           |
| R2VXVRVCU5X1/5  | 1.5                               | 5           | 0.7                       | 1.8                   | 75                     | 12.5                 | 175           |
| R2VXVRVCU7X1/5  | 1.5                               | 7           | 0.7                       | 1.8                   | 81                     | 13.5                 | 265           |
| R2VXVRVCU12X1/5 | 1.5                               | 12          | 0.7                       | 1.8                   | 105                    | 17.5                 | 375           |
| R2VXVRVCU19X1/5 | 1.5                               | 19          | 0.7                       | 1.8                   | 117                    | 19.5                 | 535           |
| R2VXVRVCU24X1/5 | 1.5                               | 24          | 0.7                       | 1.8                   | 123                    | 20.5                 | 755           |
| R2VXVRVCU27X1/5 | 1.5                               | 27          | 0.7                       | 1.8                   | 144                    | 24.0                 | 825           |
| R2VXVRVCU37X1/5 | 1.5                               | 37          | 0.7                       | 1.8                   | 156                    | 26.0                 | 1050          |
| R2VXVRVCU1X2/5  | 2.5                               | 1           | 0.7                       | 1.0                   | 42                     | 7.0                  | 58            |
| R2VXVRVCU2X2/5  | 2.5                               | 2           | 0.7                       | 1.0                   | 69                     | 11.5                 | 150           |
| R2VXVRVCU3X2.5  | 2.5                               | 3           | 0.7                       | 1.6                   | 75.0                   | 12.5                 | 175           |
| R2VXVRVCU4X2/5  | 2.5                               | 4           | 0.7                       | 1.8                   | 78                     | 13.0                 | 210           |
| R2VXVRVCU5X2/5  | 2.5                               | 5           | 0.7                       | 1.8                   | 81                     | 13.5                 | 300           |
| R2VXVRVCU7X2/5  | 2.5                               | 7           | 0.7                       | 1.8                   | 93                     | 15.5                 | 385           |
| R2VXVRVCU12X2/5 | 2.5                               | 12          | 0.7                       | 1.8                   | 117                    | 19.5                 | 530           |
| R2VXVRVCU19X2/5 | 2.5                               | 19          | 0.7                       | 1.8                   | 129                    | 21.5                 | 765           |
| R2VXVRVCU24X2/5 | 2.5                               | 24          | 0.7                       | 1.8                   | 135                    | 22.5                 | 980           |
| R2VXVRVCU27X2/5 | 2.5                               | 27          | 0.7                       | 1.8                   | 156                    | 26.0                 | 1100          |
| R2VXVRVCU37X2/5 | 2.5                               | 37          | 0.7                       | 1.8                   | 180                    | 30.0                 | 1350          |
| R2VXVRVCU1X4    | 4                                 | 1           | 0.7                       | 1.1                   | 45                     | 7.5                  | 77            |
| R2VXVRVCU2X4    | 4                                 | 2           | 0.7                       | 1.1                   | 78                     | 13.0                 | 200           |
| R2VXVRVCU3X4    | 4                                 | 3           | 0.7                       | 1.6                   | 81                     | 13.5                 | 235           |
| R2VXVRVCU4X4    | 4                                 | 4           | 0.7                       | 1.8                   | 87                     | 14.5                 | 280           |
| R2VXVRVCU5X4    | 4                                 | 5           | 0.7                       | 1.8                   | 90                     | 15.0                 | 495           |
| R2VXVRVCU1X6    | 6                                 | 1           | 0.7                       | 1.1                   | 50                     | 8.3                  | 100           |
| R2VXVRVCU2X6    | 6                                 | 2           | 0.7                       | 1.1                   | 84                     | 14.0                 | 270           |
| R2VXVRVCU3X6    | 6                                 | 3           | 0.7                       | 1.8                   | 90.0                   | 15                   | 330           |
| R2VXVRVCU4X6    | 6                                 | 4           | 0.7                       | 1.8                   | 96                     | 16.0                 | 395           |

| Reference      | Conductor Size (mm <sup>2</sup> ) | No Of Cores | Insulation Thickness (mm) | Sheath Thickness (mm) | Minimum Bending Radius | Overall Diameter(mm) | Weight(Kg/Km) |
|----------------|-----------------------------------|-------------|---------------------------|-----------------------|------------------------|----------------------|---------------|
| R2VXVRVCU5X6   | 6                                 | 5           | 0.7                       | 1.8                   | 99                     | 16.5                 | 695           |
| R2VXVRVCU1X10  | 10                                | 1           | 0.8                       | 1.2                   | 57                     | 9.5                  | 145           |
| R2VXVRVCU2X10  | 10                                | 2           | 0.8                       | 1.6                   | 96                     | 16.0                 | 400           |
| R2VXVRVCU3X10  | 10                                | 3           | 0.8                       | 1.8                   | 105                    | 17.5                 | 495           |
| R2VXVRVCU4X10  | 10                                | 4           | 0.8                       | 1.8                   | 114                    | 19.0                 | 595           |
| R2VXVRVCU5X10  | 10                                | 5           | 0.8                       | 1.8                   | 114                    | 19.0                 | 600           |
| R2VXVRVCU1X16  | 16                                | 1           | 0.8                       | 1.2                   | 66                     | 11.0                 | 212           |
| R2VXVRVCU2X16  | 16                                | 2           | 0.8                       | 1.6                   | 114                    | 19.0                 | 575           |
| R2VXVRVCU3X16  | 16                                | 3           | 0.8                       | 1.8                   | 120                    | 20.0                 | 715           |
| R2VXVRVCU4X16  | 16                                | 4           | 0.8                       | 1.8                   | 132                    | 22.0                 | 875           |
| R2VXVRVCU5X16  | 16                                | 5           | 0.8                       | 1.8                   | 126                    | 21.0                 | 880           |
| R2VXVRVCU1X25  | 25                                | 1           | 0.9                       | 1.4                   | 75                     | 12.5                 | 322           |
| R2VXVRVCU2X25  | 25                                | 2           | 0.9                       | 1.8                   | 132                    | 22.0                 | 865           |
| R2VXVRVCU3X25  | 25                                | 3           | 0.9                       | 1.8                   | 144                    | 24.0                 | 1095          |
| R2VXVRVCU4X25  | 25                                | 4           | 0.9                       | 1.8                   | 156                    | 26.0                 | 1375          |
| R2VXVRVCU5X25  | 25                                | 5           | 0.9                       | 1.8                   | 156                    | 26.0                 | 1380          |
| R2VXVRVCU1X35  | 35                                | 1           | 1.0                       | 1.4                   | 81                     | 13.5                 | 412           |
| R2VXVRVCU2X35  | 35                                | 2           | 0.9                       | 1.8                   | 150                    | 25.0                 | 1095          |
| R2VXVRVCU3X35  | 35                                | 3           | 0.9                       | 1.8                   | 159                    | 26.5                 | 1400          |
| R2VXVRVCU4X35  | 35                                | 4           | 0.9                       | 1.8                   | 174                    | 29.0                 | 1770          |
| R2VXVRVCU5X35  | 35                                | 5           | 0.9                       | 1.8                   | 174                    | 29.0                 | 1775          |
| R2VXVRVCU1X50  | 50                                | 1           | 1.0                       | 1.4                   | 90                     | 15.0                 | 540           |
| R2VXVRVCU3X50  | 50                                | 3           | 1.1                       | 1.8                   | 180                    | 30.0                 | 1855          |
| R2VXVRVCU4X50  | 50                                | 4           | 1.0                       | 2.0                   | 198                    | 33.0                 | 2475          |
| R2VXVRVCU5X50  | 50                                | 5           | 1.0                       | 1.9                   | 222                    | 37.0                 | 2775          |
| R2VXVRVCU1X70  | 70                                | 1           | 1.1                       | 1.5                   | 105                    | 17.5                 | 737           |
| R2VXVRVCU3X70  | 70                                | 3           | 1.1                       | 1.9                   | 210                    | 35.0                 | 2560          |
| R2VXVRVCU4X70  | 70                                | 4           | 1.1                       | 2.1                   | 228                    | 38.0                 | 3465          |
| R2VXVRVCU5X70  | 70                                | 5           | 1.1                       | 2.0                   | 258                    | 43.0                 | 3945          |
| R2VXVRVCU1X95  | 95                                | 1           | 1.2                       | 1.5                   | 117                    | 19.5                 | 995           |
| R2VXVRVCU3X95  | 95                                | 3           | 1.2                       | 2.0                   | 234                    | 39.0                 | 3450          |
| R2VXVRVCU4X95  | 95                                | 4           | 1.1                       | 2.2                   | 258                    | 43.0                 | 4715          |
| R2VXVRVCU5X95  | 95                                | 5           | 1.1                       | 2.1                   | 282                    | 47.0                 | 5355          |
| R2VXVRVCU1X120 | 120                               | 1           | 1.3                       | 1.6                   | 130                    | 21.5                 | 1275          |
| R2VXVRVCU3X120 | 120                               | 3           | 1.2                       | 2.1                   | 258                    | 43.0                 | 4460          |
| R2VXVRVCU4X120 | 120                               | 4           | 1.2                       | 2.3                   | 288                    | 48.0                 | 6135          |
| R2VXVRVCU1X150 | 150                               | 1           | 1.4                       | 1.6                   | 138                    | 23.0                 | 1535          |
| R2VXVRVCU3X150 | 150                               | 3           | 1.4                       | 2.3                   | 288                    | 48                   | 5395          |
| R2VXVRVCU4X150 | 150                               | 4           | 1.4                       | 2.4                   | 318                    | 53.0                 | 7435          |

| Reference      | Conductor Size (mm2) | No Of Cores | InsulationThickness (mm) | Sheath Thickness (mm) | Minimum Bending Radius | Overall Diameter(mm) | Weight(Kg/Km) |
|----------------|----------------------|-------------|--------------------------|-----------------------|------------------------|----------------------|---------------|
| R2VXVRVCU1X185 | 185                  | 1           | 1.6                      | 1.6                   | 156                    | 26.0                 | 1970          |
| R2VXVRVCU3X185 | 185                  | 3           | 1.6                      | 2.4                   | 330                    | 55                   | 6945          |
| R2VXVRVCU4X185 | 185                  | 4           | 1.6                      | 2.6                   | 354                    | 59.0                 | 8850          |
| R2VXVRVCU1X240 | 240                  | 1           | 1.7                      | 1.7                   | 174                    | 29.0                 | 2340          |
| R2VXVRVCU3X240 | 240                  | 3           | 1.7                      | 2.6                   | 360                    | 60                   | 8450          |
| R2VXVRVCU4X240 | 240                  | 4           | 1.8                      | 2.8                   | 402                    | 67.0                 | 11900         |
| R2VXVRVCU1X300 | 300                  | 1           | 1.8                      | 1.8                   | 192                    | 32.0                 | 3230          |
| R2VXVRVCU3X300 | 300                  | 3           | 1.8                      | 2.6                   | 396                    | 66                   | 2190          |
| R2VXVRVCU4X300 | 300                  | 4           | 1.8                      | 3.0                   | 450                    | 75.0                 | 14745         |
| R2VXVRVCU1X400 | 400                  | 1           | 2.0                      | 2.0                   | 210                    | 35.0                 | 3960          |
| R2VXVRVCU1X500 | 500                  | 1           | 2.2                      | 2.2                   | 228                    | 38.0                 | 5050          |
| R2VXVRVCU1X630 | 630                  | 1           | 2.4                      | 2.3                   | 270                    | 45.0                 | 5365          |

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