

**Power cable**

Power cable, XLPE insulated, flexible copper conductor

**RV-K**

0.6/1 kV



According to UNE 21-123-91.

| Characteristics                     | Properties               | Unit |
|-------------------------------------|--------------------------|------|
| Conductor material                  | Copper                   |      |
| Conductor surface                   | Bare                     |      |
| Conductor category                  | Class 5 = flexible       |      |
| Shape of conductor                  | Round                    |      |
| Laminated sheath                    | No                       |      |
| Fibre optic elements                | No                       |      |
| Inner semi-conducting layer         | No                       |      |
| Outer semi-conducting layer         | No                       |      |
| Screen                              | No                       |      |
| Concentric conductor                | None                     |      |
| Armouring                           | No                       |      |
| Material outer sheath               | Polyvinyl chloride (PVC) |      |
| Specification material outer sheath | Other                    |      |
| Colour outer sheath                 | Black                    |      |
| Conductive coating                  | No                       |      |

| Characteristics                                 | Properties                          | Unit      |
|---|-------------------------------------|-----------|
| Longitudinal water blocking conductors          | No                                  |           |
| Longitudinal water blocking screen              | No                                  |           |
| Reaction-to-fire according to EN 13501-6: Class | Eca                                 |           |
| Halogen free (acc. EN 60754-1/2)                | No                                  |           |
| Flame retardant                                 | In accordance with IEC/EN 60332-1-2 |           |
| Low smoke (acc. EN 61034-2)                     | No                                  |           |
| Max. conductor temperature                      | 90                                  | °C        |
| Nominal voltage U0                              | 0.6                                 | kV        |
| Nominal voltage U                               | 1                                   | kV        |
| max. short circuit temperature                  | 250                                 | °C        |
| Insulation                                      | XLPE (VPE)                          |           |
| Minimum bending radius                          | 5                                   | x Außen-Ø |
| Core identification according to HD 308 S2      |                                     |           |
| Cable geometry                                  |                                     |           |
| Suitable as installation cable                  |                                     |           |
| Certified for shipboard application             |                                     |           |
| Suitable as medium-voltage cable                |                                     |           |
| Suitable as high-voltage cable                  |                                     |           |
| Certified as airport lighting cable             |                                     |           |

| Product                   |   |                     |                 |  |                                |                      |                   | Packaging  |                          |                  |                                 |      |               |                    |
|---------------------------|---|---------------------|-----------------|--|--------------------------------|----------------------|-------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores (in Stck) | Nominal cross section conductor (in mm <sup>2</sup> ) | Core identification | Kerndurchmesser | Min. permitted bending radius, stationary application/permanent installation (in mm) | Outer diameter approx. (in mm) | Protective conductor | Weight (in kg/km) | Packing    | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 1                         | 4   | Colour              |                 |  | 7                              | No                   | 61.82             | Ring, Drum | Cut length               |                  |                                 |      |               | 62                 |
| 1                         | 6   | None                |                 | 105  | 7                              | No                   | 80.32             | Ring, Drum | Cut length               |                  |                                 |      |               | 80                 |
| 1                         | 10  | None                |                 | 120  | 8                              | No                   | 120.58            | Ring, Drum | Cut length               |                  |                                 |      |               | 121                |
| 1                         | 16  | None                |                 | 135  | 9                              | No                   | 174.47            | Ring, Drum | Cut length               |                  |                                 |      |               | 174                |
| 1                         | 25  | None                |                 | 180  | 12                             | No                   | 265.01            | Ring, Drum | Cut length               |                  |                                 |      |               | 265                |
| 1                         | 35  | None                |                 | 180  | 12                             | No                   | 360.45            | Ring, Drum | Cut length               |                  |                                 |      |               | 360                |
| 1                         | 50  | None                |                 | 210  | 14                             | No                   | 502.25            | Ring, Drum | Cut length               |                  |                                 |      |               | 502                |
| 1                         | 70  | None                |                 | 240  | 16                             | No                   | 670.16            | Ring, Drum | Cut length               |                  |                                 |      |               | 670                |
| 1                         | 95  | None                |                 | 270  | 18                             | No                   | 881.56            | Ring, Drum | Cut length               |                  |                                 |      |               | 882                |
| 1                         | 120   | None                |                 | 300  | 20                             | No                   | 1,115.9           | Ring, Drum | Cut length               |                  |                                 |      |               | 1,116              |
| 1                         | 150   | None                |                 | 345  | 23                             | No                   | 1,383             | Ring, Drum | Cut length               |                  |                                 |      |               | 1,383              |
| 1                         | 185   | None                |                 | 360  | 24                             | No                   | 1,672.3           | Ring, Drum | Cut length               |                  |                                 |      |               | 1,672              |
| 1                         | 240   | None                |                 | 420  | 28                             | No                   | 2,246.4           | Ring, Drum | Cut length               |                  |                                 |      |               | 2,246              |
| 1                         | 300   | None                |                 | 360  | 30                             | No                   | 2,730.3           | Ring, Drum | Cut length               |                  |                                 |      |               | 2,730              |
| 2                         | 1.5   | Colour              |                 | 108  | 9                              | No                   | 97.93             | Ring       | 100                      |                  | 492.86                          |      | 4,800         | 10                 |
| 2                         | 2.5   | Colour              |                 | 120  | 10                             | No                   | 128.57            | Ring, Drum | Cut length               |                  |                                 |      |               | 129                |
| 2                         | 2.5   | Colour              |                 | 120  | 10                             | No                   | 128.57            | Ring       | 100                      |                  | 485.65                          |      | 3,600         | 13                 |
| 2                         | 2.5   | Colour              | 315             | 120  | 10                             | No                   | 128.57            | Drum       | 1000                     | 752              | 587.72                          | 419  | 4,000         | 129                |
| 2                         | 4   | Colour              |                 |  | 11                             | No                   | 167.41            | Ring, Drum | Cut length               |                  |                                 |      |               | 167                |
| 2                         | 6   | Colour              |                 |  | 12                             | No                   | 215.19            | Ring, Drum | Cut length               |                  |                                 |      |               | 215                |
| 2                         | 10  | Colour              |                 | 168  | 14                             | No                   | 317.9             | Ring, Drum | Cut length               |                  |                                 |      |               | 318                |

| Product                   |   |                     |                 |  |                                |                      |                   | Packaging  |                          |                  |                                 |      |               |                    |
|---------------------------|---|---------------------|-----------------|--|--------------------------------|----------------------|-------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores (in Stck) | Nominal cross section conductor (in mm <sup>2</sup> ) | Core identification | Kerndurchmesser | Min. permitted bending radius, stationary application/permanent installation (in mm) | Outer diameter approx. (in mm) | Protective conductor | Weight (in kg/km) | Packing    | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 3                         | 1.5   | Colour              |                 | 120  | 10                             | Yes                  | 112.97            | Ring, Drum | Cut length               |                  |                                 |      |               | 113                |
| 3                         | 1.5   | Colour              | 200             | 120  | 10                             | Yes                  | 112.97            | Ring       | 100                      | 390              | 497.27                          | 99   | 4,200         | 11                 |
| 3                         | 1.5   | Colour              | 260             |  | 10                             | Yes                  | 112.97            | Drum       | 500                      | 600              | 266.34                          | 419  | 2,000         | 56                 |
| 3                         | 2.5   | Colour              |                 | 132  | 11                             | Yes                  | 151.39            | Ring, Drum | Cut length               |                  |                                 |      |               | 151                |
| 3                         | 2.5   | Colour              | 200             | 132  | 11                             | Yes                  | 151.39            | Ring       | 100                      | 390              | 567.8                           | 123  | 3,600         | 15                 |
| 3                         | 2.5   | Colour              | 260             |  | 11                             | Yes                  | 151.39            | Drum       | 500                      | 600              | 343.18                          | 419  | 2,000         | 76                 |
| 3                         | 4   | Colour              |                 |  | 12                             | Yes                  | 201.88            | Ring, Drum | Cut length               |                  |                                 |      |               | 202                |
| 3                         | 6   | Colour              |                 |  | 13                             | Yes                  | 264.55            | Ring, Drum | Cut length               |                  |                                 |      |               | 265                |
| 3                         | 16  | Colour              |                 | 216  | 18                             | Yes                  | 665.26            | Ring, Drum | Cut length               |                  |                                 |      |               | 665                |
| 3                         | 25  | Colour              |                 | 276  | 23                             | Yes                  | 1,036.5           | Ring, Drum | Cut length               |                  |                                 |      |               | 1,037              |
| 3                         | 35  | Colour              |                 | 300  | 25                             | Yes                  | 1,360.2           | Ring, Drum | Cut length               |                  |                                 |      |               | 1,360              |
| 3                         | 50  | Colour              |                 | 348  | 29                             | Yes                  | 1,901.4           | Ring, Drum | Cut length               |                  |                                 |      |               | 1,901              |
| 4                         | 1.5   | Colour              |                 | 132  | 11                             | Yes                  | 133.24            | Ring, Drum | Cut length               |                  |                                 |      |               | 133                |
| 4                         | 1.5   | Colour              |                 | 132  | 11                             | Yes                  | 133.24            | Ring       | 100                      |                  | 502.46                          |      | 3,600         | 13                 |
| 4                         | 1.5   | Colour              | 260             |  | 11                             | Yes                  | 133.24            | Drum       | 500                      | 600              | 306.88                          | 419  | 2,000         | 67                 |
| 4                         | 2.5   | Colour              |                 | 144  | 12                             | Yes                  | 181.03            | Ring, Drum | Cut length               |                  |                                 |      |               | 181                |
| 4                         | 2.5   | Colour              |                 | 144  | 12                             | Yes                  | 181.03            | Ring       | 100                      |                  | 565.89                          |      | 3,000         | 18                 |
| 4                         | 2.5   | Colour              | 315             |  | 12                             | Yes                  | 181.03            | Drum       | 500                      | 752              | 435.5                           | 419  | 2,000         | 91                 |
| 4                         | 4   | Colour              |                 | 156  | 13                             | Yes                  | 244.84            | Ring, Drum | Cut length               |                  |                                 |      |               | 245                |
| 4                         | 4   | Colour              | 200             | 156  | 13                             | Yes                  | 244.84            | Ring       | 100                      | 430              | 512.48                          | 135  | 2,000         | 24                 |
| 4                         | 6   | Colour              |                 | 168  | 14                             | Yes                  | 324.39            | Ring, Drum | Cut length               |                  |                                 |      |               | 324                |

| Product                   |  |                     |                 |  |                                |                      |                   | Packaging  |                          |                  |                                 |      |               |                    |
|---------------------------|--|---------------------|-----------------|--|--------------------------------|----------------------|-------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores (in Stck) | Nominal cross section conductor (in mm²) | Core identification | Kerndurchmesser | Min. permitted bending radius, stationary application/permanent installation (in mm) | Outer diameter approx. (in mm) | Protective conductor | Weight (in kg/km) | Packing    | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 4                         | 6  | Colour              |                 | 168  | 14                             | No                   | 324.39            | Ring, Drum | Cut length               |                  |                                 |      |               | 324                |
| 4                         | 10                                       | Colour              |                 | 192  | 16                             | Yes                  | 497.69            | Ring, Drum | Cut length               |                  |                                 |      |               | 498                |
| 4                         | 10                                       | Colour              |                 | 192  | 16                             | No                   | 497.69            | Ring, Drum | Cut length               |                  |                                 |      |               | 498                |
| 4                         | 16                                       | Colour              |                 | 240  | 20                             | Yes                  | 816.71            | Ring, Drum | Cut length               |                  |                                 |      |               | 817                |
| 4                         | 16                                       | Colour              |                 | 240  | 20                             | No                   | 816.71            | Ring, Drum | Cut length               |                  |                                 |      |               | 817                |
| 4                         | 25                                       | Colour              |                 | 312  | 26                             | Yes                  | 1,271.6           | Ring, Drum | Cut length               |                  |                                 |      |               | 1,272              |
| 4                         | 35                                       | Colour              |                 | 336  | 27                             | Yes                  | 1,689.3           | Ring, Drum | Cut length               |                  |                                 |      |               | 1,689              |
| 4                         | 35                                       | Colour              |                 | 324  | 27                             | No                   | 1,689.3           | Ring, Drum | Cut length               |                  |                                 |      |               | 1,689              |
| 4                         | 50                                       | Colour              |                 | 384  | 32                             | No                   | 2,380.1           | Ring, Drum | Cut length               |                  |                                 |      |               | 2,380              |
| 4                         | 70                                       | Colour              |                 |  | 37                             | No                   | 3,220.8           | Ring, Drum | Cut length               |                  |                                 |      |               | 3,221              |
| 4                         | 95                                       | Colour              |                 |  | 42                             | No                   | 4,204.1           | Ring, Drum | Cut length               |                  |                                 |      |               | 4,204              |
| 4                         | 120                                      | Colour              |                 |  | 47                             | No                   | 5,359.7           | Ring, Drum | Cut length               |                  |                                 |      |               | 5,360              |
| 5                         | 1.5                                      | Colour              |                 | 132  | 11                             | Yes                  | 157.64            | Ring, Drum | Cut length               |                  |                                 |      |               | 158                |
| 5                         | 1.5                                      | Colour              |                 | 132  | 11                             | Yes                  | 157.64            | Ring       | 100                      |                  | 495.72                          |      | 3,000         | 16                 |
| 5                         | 1.5                                      | Colour              | 260             |  | 11                             | Yes                  | 157.64            | Drum       | 500                      | 600              | 355.68                          | 419  | 2,000         | 79                 |
| 5                         | 2.5                                      | Colour              |                 | 156  | 13                             | Yes                  | 216.8             | Ring, Drum | Cut length               |                  |                                 |      |               | 217                |
| 5                         | 2.5                                      | Colour              |                 | 156  | 13                             | Yes                  | 216.8             | Ring       | 100                      |                  | 456.4                           |      | 2,000         | 22                 |
| 5                         | 2.5                                      | Colour              | 315             |  | 13                             | Yes                  | 216.8             | Drum       | 500                      | 752              | 507.04                          | 419  | 2,000         | 108                |
| 5                         | 4  | Colour              |                 | 168  | 14                             | Yes                  | 296.37            | Ring, Drum | Cut length               |                  |                                 |      |               | 296                |
| 5                         | 4  | Colour              |                 | 168  | 14                             | Yes                  | 296.37            | Ring       | 100                      |                  | 52.44                           |      | 100           | 30                 |
| 5                         | 6  | Colour              |                 | 192  | 15                             | Yes                  | 395.64            | Ring, Drum | Cut length               |                  |                                 |      |               | 396                |

| Product                   |  |                     |                 |  |                                |                      |                   | Packaging  |                          |                  |                                 |      |               |                    |
|---------------------------|--|---------------------|-----------------|--|--------------------------------|----------------------|-------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores (in Stck) | Nominal cross section conductor (in mm²) | Core identification | Kerndurchmesser | Min. permitted bending radius, stationary application/permanent installation (in mm) | Outer diameter approx. (in mm) | Protective conductor | Weight (in kg/km) | Packing    | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 5                         | 10                                       | Colour              |                 | 216  | 18                             | Yes                  | 611.35            | Ring, Drum | Cut length               |                  |                                 |      |               | 611                |
| 5                         | 16                                       | Colour              |                 | 264  | 22                             | Yes                  | 996.12            | Ring, Drum | Cut length               |                  |                                 |      |               | 996                |
| 5                         | 35                                       | Colour              |                 | 360  | 30                             | Yes                  | 2,076.2           | Ring, Drum | Cut length               |                  |                                 |      |               | 2,076              |
| 5                         | 50                                       | Colour              |                 | 432  | 36                             | Yes                  | 2,943.2           | Ring, Drum | Cut length               |                  |                                 |      |               | 2,943              |