

**Power cable**

Power cable, PVC insulated, with copper conductor and concentric copper conductor

**NYCY**

0.6/1 kV



According to VDE 0276 part 603 and 627.

| Characteristics                            | Properties      | Unit |
|--|-----------------|------|
| Conductor material                         | Copper          |      |
| Conductor surface                          | Bare            |      |
| Conductor category                         | Class 1 = solid |      |
| Shape of conductor                         | Round           |      |
| Core identification according to HD 308 S2 |                 |      |

| Characteristics  | Properties                          | Unit |
|--|-------------------------------------|------|
| Laminated sheath   | No                                  |      |
| Fibre optic elements   | No                                  |      |
| Protective conductor   | No                                  |      |
| Inner semi-conducting layer  | No                                  |      |
| Outer semi-conducting layer  | No                                  |      |
| Screen   | No                                  |      |
| Concentric conductor   | Copper                              |      |
| Armouring  | No                                  |      |
| Material outer sheath  | Polyvinyl chloride (PVC)            |      |
| Specification material outer sheath                                  | Other                               |      |
| Colour outer sheath  | Black                               |      |
| Cable geometry   |                                     |      |
| Conductive coating   | 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   | 70                                  | °C   |
| Permitted cable outer temperature during assembling/handling         | -5 <=> 70                           | °C   |
| Permitted cable outer temperature after assembling without vibration | -35 <=> 70                          | °C   |
| Nominal voltage U <sub>0</sub>                                       | 0.6                                 | kV   |
| Nominal voltage U  | 1                                   | kV   |
| Suitable as installation cable                                       |                                     |      |
| Certified for shipboard application                                  |                                     |      |
| Suitable as medium-voltage cable                                     |                                     |      |
| Suitable as high-voltage cable                                       |                                     |      |

| Characteristics                     | Properties | Unit      |
|-------------------------------------|------------|-----------|
| Certified as airport lighting cable |            |           |
| max. short circuit temperature      | 160        | °C        |
| Insulation                          | PVC        |           |
| Minimum bending radius              | 12         | x Außen-Ø |

| Product         |   |                     |                 |  |  |  |                                |                      | Packaging  |                          |                  |                                 |      |               |                    |
|-----------------|---|---------------------|-----------------|--|--|--|--------------------------------|----------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores | Nominal cross section conductor (in mm <sup>2</sup> ) | Core identification | Kerndurchmesser | Longitudinal water blocking conductors | Min. permitted bending radius, stationary application/permanent installation (in mm) | Nominal cross section concentric conductor (in mm <sup>2</sup> ) | Outer diameter approx. (in mm) | Weight (in EU571166) | Packing    | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 2               | 1.5   | Colour              |                 |  | 156  | 1.5  | 13                             | 215.88               | Ring, Drum | Cut length               |                  |                                 |      |               | 216                |
| 2               | 2.5   | Colour              |                 |  | 168  | 2.5  | 14                             | 264.29               | Ring, Drum | Cut length               |                  |                                 |      |               | 264                |
| 2               | 2.5   | Colour              | 315             |  | 168  | 2.5  | 14                             | 264.29               | Drum       | 500                      | 752              | 602.02                          | 419  | 2,000         | 132                |
| 2               | 4   | Colour              |                 |  | 192  | 4  | 16                             | 356.01               | Ring, Drum | Cut length               |                  |                                 |      |               | 356                |
| 2               | 4   | Colour              | 450             |  |  | 4  | 16                             | 356.01               | Drum       | 500                      | 900              | 225.01                          | 690  | 500           | 178                |
| 2               | 6   | Colour              |                 | Yes                                    | 204  | 6  | 17                             | 433.14               | Ring, Drum | Cut length               |                  |                                 |      |               | 433                |
| 2               | 6   | Colour              | 450             |  |  | 6  | 17                             | 433.14               | Drum       | 500                      | 900              | 263.57                          | 690  | 500           | 217                |
| 3               | 1.5   | Colour              |                 |  | 156  | 1.5  | 13                             | 230.99               | Ring, Drum | Cut length               |                  |                                 |      |               | 231                |
| 3               | 1.5   | Colour              |                 |  | 156  | 1.5  | 13                             | 230.99               | Ring, Drum | Cut length               |                  |                                 |      |               | 231                |
| 3               | 1.5   | Colour              | 315             |  | 156  | 1.5  | 13                             | 230.99               | Drum       | 500                      | 752              | 535.42                          | 419  | 2,000         | 116                |
| 3               | 2.5   | Colour              |                 |  | 168  | 2.5  | 14                             | 284.1                | Ring, Drum | Cut length               |                  |                                 |      |               | 284                |
| 3               | 2.5   | Colour              |                 |  | 168  | 2.5  | 14                             | 284.1                | Ring, Drum | Cut length               |                  |                                 |      |               | 284                |
| 3               | 2.5   | Colour              | 315             |  | 168  | 2.5  | 14                             | 284.1                | Drum       | 500                      | 710              | 169.05                          | 462  | 500           | 142                |
| 3               | 4   | Colour              |                 |  | 204  | 4  | 17                             | 401.94               | Ring, Drum | Cut length               |                  |                                 |      |               | 402                |
| 3               | 4   | Colour              |                 |  | 204  | 4  | 17                             | 401.94               | Ring, Drum | Cut length               |                  |                                 |      |               | 402                |

| Product         |  |                     |                 |  |  |   |                                |                      | Packaging  |                          |                  |                                 |      |               |                    |
|-----------------|--|---------------------|-----------------|--|--|---|--------------------------------|----------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores | Nominal cross section conductor (in mm²) | Core identification | Kerndurchmesser | Longitudinal water blocking conductors | Min. permitted bending radius, stationary application/permanent installation (in mm) | Nominal cross section concentric conductor (in mm²) | Outer diameter approx. (in mm) | Weight (in EU571166) | Packing    | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 3               | 6  | Colour              |                 |  | 216  | 6   | 18                             | 495.97               | Ring, Drum | Cut length               |                  |                                 |      |               | 496                |
| 3               | 6  | Colour              |                 |  | 216  | 6   | 18                             | 495.97               | Ring, Drum | Cut length               |                  |                                 |      |               | 496                |
| 4               | 1.5                                      | Colour              |                 |  | 168  | 1.5   | 14                             | 261.11               | Ring, Drum | Cut length               |                  |                                 |      |               | 261                |
| 4               | 1.5                                      | Colour              |                 |  | 168  | 1.5   | 14                             | 261.11               | Ring, Drum | Cut length               |                  |                                 |      |               | 261                |
| 4               | 1.5                                      | Colour              | 400             |  | 168  | 1.5   | 14                             | 261.11               | Drum       | 500                      | 800              | 161.56                          | 520  | 500           | 131                |
| 4               | 2.5                                      | Colour              |                 |  | 180  | 2.5   | 15                             | 324.96               | Ring, Drum | Cut length               |                  |                                 |      |               | 325                |
| 4               | 2.5                                      | Colour              |                 | No                                     | 180  | 2.5   | 15                             | 324.96               | Ring, Drum | Cut length               |                  |                                 |      |               | 325                |
| 4               | 2.5                                      | Colour              | 315             | No                                     | 180  | 2.5   | 15                             | 324.96               | Drum       | 500                      | 800              | 194.48                          | 462  | 500           | 162                |
| 4               | 4  | Colour              |                 |  | 216  | 4   | 18                             | 463.15               | Ring, Drum | Cut length               |                  |                                 |      |               | 463                |
| 4               | 4  | Colour              |                 |  | 216  | 4   | 18                             | 463.15               | Ring, Drum | Cut length               |                  |                                 |      |               | 463                |
| 4               | 6  | Colour              |                 |  | 228  | 6   | 19                             | 577.47               | Ring, Drum | Cut length               |                  |                                 |      |               | 577                |
| 4               | 6  | Colour              |                 |  | 228  | 6   | 19                             | 577.47               | Ring, Drum | Cut length               |                  |                                 |      |               | 577                |
| 5               | 1.5                                      | Colour              |                 |  | 180  | 1.5   | 15                             | 293.38               | Ring, Drum | Cut length               |                  |                                 |      |               | 293                |
| 5               | 1.5                                      | Colour              |                 |  | 180  | 1.5   | 15                             | 293.38               | Ring, Drum | Cut length               |                  |                                 |      |               | 293                |
| 5               | 2.5                                      | Colour              |                 |  | 192  | 2.5   | 16                             | 368.21               | Ring, Drum | Cut length               |                  |                                 |      |               | 368                |
| 5               | 2.5                                      | Colour              |                 |  | 192  | 2.5   | 16                             | 368.21               | Ring, Drum | Cut length               |                  |                                 |      |               | 368                |
| 7               | 1.5                                      | Numbers             |                 | Yes                                    | 192  | 2.5   | 16                             | 352.81               | Ring, Drum | Cut length               |                  |                                 |      |               | 353                |
| 7               | 2.5                                      | Numbers             |                 |  | 204  | 2.5   | 17                             | 439.82               | Ring, Drum | Cut length               |                  |                                 |      |               | 440                |
| 7               | 4  | Numbers             |                 |  | 240  | 4   | 20                             | 639                  | Ring, Drum | Cut length               |                  |                                 |      |               | 639                |
| 7               | 4  | Numbers             | 500             |  | 240  | 4   | 20                             | 639                  | Drum       | 500                      | 1,000            | 390.5                           | 710  | 500           | 320                |
| 10              | 1.5                                      | Numbers             |                 |  | 216  | 2.5   | 18                             | 464.9                | Ring, Drum | Cut length               |                  |                                 |      |               | 465                |

| Product         |   |                     |                 |  |  |  |                                |                      | Packaging  |                          |                  |                                 |      |               |                    |
|-----------------|---|---------------------|-----------------|--|--|--|--------------------------------|----------------------|------------|--------------------------|------------------|---------------------------------|------|---------------|--------------------|
| Number of cores | Nominal cross section conductor (in mm <sup>2</sup> ) | Core identification | Kerndurchmesser | Longitudinal water blocking conductors | Min. permitted bending radius, stationary application/permanent installation (in mm) | Nominal cross section concentric conductor (in mm <sup>2</sup> ) | Outer diameter approx. (in mm) | Weight (in EU571166) | Packing    | Individual length (in m) | Außendurchmesser | Bruttogewicht pro Paletteinheit | Höhe | Paletteinheit | Net weight (in kg) |
| 10              | 2.5   | Numbers             |                 |  | 240  | 4  | 20                             | 613.35               | Ring, Drum | Cut length               |                  |                                 |      |               | 613                |
| 12              | 1.5   | Numbers             |                 |  | 228  | 2.5  | 19                             | 526.44               | Ring, Drum | Cut length               |                  |                                 |      |               | 526                |
| 12              | 1.5   | Numbers             | 450             |  | 228  | 2.5  | 19                             | 526.44               | Drum       | 500                      | 900              | 310.22                          | 690  | 500           | 263                |
| 12              | 2.5   | Numbers             |                 |  | 252  | 4  | 21                             | 697.54               | Ring, Drum | Cut length               |                  |                                 |      |               | 698                |
| 12              | 2.5   | Numbers             |                 |  | 252  | 4  | 21                             | 697.54               | Ring, Drum | Cut length               |                  |                                 |      |               | 698                |
| 12              | 2.5   | Numbers             | 500             |  | 252  | 4  | 21                             | 697.54               | Drum       | 500                      | 1,000            | 419.77                          | 710  | 500           | 349                |
| 14              | 1.5   | Numbers             |                 |  | 240  | 2.5  | 20                             | 574.52               | Ring, Drum | Cut length               |                  |                                 |      |               | 575                |
| 14              | 2.5   | Numbers             |                 |  | 264  | 6  | 22                             | 778.78               | Ring, Drum | Cut length               |                  |                                 |      |               | 779                |
| 16              | 2.5   | Numbers             |                 |  | 276  | 6  | 23                             | 856.21               | Ring, Drum | Cut length               |                  |                                 |      |               | 856                |
| 16              | 2.5   | Numbers             | 630             |  | 276  | 6  | 23                             | 856.21               | Drum       | 500                      | 1,250            | 572.11                          | 890  | 500           | 428                |
| 19              | 1.5   | Numbers             |                 |  | 264  | 4  | 22                             | 722.33               | Ring, Drum | Cut length               |                  |                                 |      |               | 722                |
| 19              | 1.5   | Numbers             | 500             |  | 264  | 4  | 22                             | 722.33               | Drum       | 500                      | 1,000            | 432.17                          | 710  | 500           | 361                |
| 19              | 2.5   | Numbers             |                 |  | 288  | 6  | 24                             | 952.93               | Ring, Drum | Cut length               |                  |                                 |      |               | 953                |
| 24              | 1.5   | Numbers             |                 |  | 300  | 6  | 25                             | 923.37               | Ring, Drum | Cut length               |                  |                                 |      |               | 923                |
| 24              | 1.5   | Numbers             | 630             |  | 300  | 6  | 25                             | 923.37               | Drum       | 500                      | 1,250            | 605.69                          | 890  | 500           | 462                |
| 24              | 2.5   | Numbers             |                 |  | 324  | 10   | 27                             | 1,281                | Ring, Drum | Cut length               |                  |                                 |      |               | 1,281              |
| 24              | 2.5   | Numbers             |                 |  | 324  | 10   | 27                             | 1,281                | Ring, Drum | Cut length               |                  |                                 |      |               | 1,281              |
| 24              | 2.5   | Numbers             | 630             |  |  | 10   | 27                             | 1,281                | Drum       | 500                      | 1,250            | 784.5                           | 890  | 500           | 641                |
| 30              | 1.5   | Numbers             |                 |  | 312  | 6  | 26                             | 1,047.7              | Ring, Drum | Cut length               |                  |                                 |      |               | 1,048              |
| 30              | 2.5   | Numbers             |                 |  | 348  | 10   | 29                             | 1,461.8              | Ring, Drum | Cut length               |                  |                                 |      |               | 1,462              |
| 40              | 2.5   | Numbers             | 630             |  | 384  | 10   | 32                             | 1,808.7              | Drum       | 500                      | 1,250            | 1,048.35                        | 890  | 500           | 904                |