

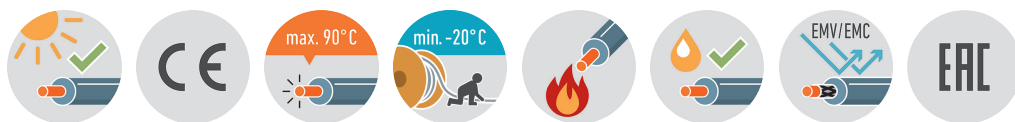
# Rubber insulated cable (N)SSHOEU /3E



**Application:** Designed to withstand high mechanical stress. For the connection of heavy duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is largely flame- and oil-resistant. For applications with specific requirements to EMC.

## Construction and technical data:

|  |                                      |
|--|--------------------------------------|
| <b>Standard:</b>                                     | VDE 0250 T. 812 (with ref. to)       |
| <b>Conductor material:</b>                           | tinned copper                        |
| <b>Conductor construction:</b>                       | Class 5 = flexible                   |
| <b>Insulation:</b>                                   | rubber (EPR) 3GI3                    |
| <b>Arrangement of protective conductors:</b>         | copper wire spinning over each phase |
| <b>Sheathing material:</b>                           | rubber 5GM5                          |
| <b>Colour of outer sheath:</b>                       | yellow                               |
| <b>Flame-retardant:</b>                              | VDE 0482-332-1-2/IEC 60332-1-2       |
| <b>UV-resistant:</b>                                 | yes                                  |
| <b>Oil-resistant:</b>                                | EN 60811-404                         |
| <b>Ozone-resistant:</b>                              | yes                                  |
| <b>For outdoor use:</b>                              | yes                                  |
| <b>Max. temperature at conductor, °C:</b>            | 90 °C                                |
| <b>Permitted outer cable temperature, fixed, °C:</b> | -40 - +80 °C                         |
| <b>Permitted outer cable temperature, moved, °C:</b> | -25 - +80 °C                         |



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

## (N)SSHOEU /3E

|                                       |        |
|---------------------------------------|--------|
| <b>Nominal voltage U<sub>o</sub>:</b> | 0.6 kV |
| <b>Nominal voltage U:</b>             | 1 kV   |
| <b>Test voltage:</b>                  | 3 kV   |

| part no. | part name        | RI [Ohm/km] | l <sub>bl</sub> [A] | R <sub>bv</sub> [mm] | R <sub>bb</sub> [mm] | Ø [mm] | F <sub>zv</sub> [N] | Cu  | G [kg] |
|----------|------------------|-------------|---------------------|----------------------|----------------------|--------|---------------------|-----|--------|
| 050821   | 3X2.5 + 3X2.5/3E | 8.21        | 30                  | 66                   | 83                   | 16.5   | 112                 | 144 | 370    |

| part no. | part name                   | RI [Ohm/km] | Ibl [A] | Rbv [mm] | Rbb [mm] | Ø [mm] | Fzv [N] | Cu   | G [kg] |
|----------|-----------------------------|-------------|---------|----------|----------|--------|---------|------|--------|
| 050822   | 3X6 + 3X6/3E                | 3.39        | 53      | 78       | 98       | 19.5   | 270     | 298  | 602    |
| 050823   | 3X10 + 3X10/3E              | 1.95        | 74      | 96       | 121      | 24.1   | 450     | 442  | 912    |
| 050824   | 3X95 + 3X50/3E              | 0.21        | 301     | 221      | 276      | 55.2   | 4275    | 3437 | 5391   |
| 050825   | 3X2.5 + 3X2.5/3E + 3X1.5 St | 8.21        | 30      | 76       | 96       | 18.9   | 112     | 198  | 470    |
| 051259   | 3X4 + 3X4/3E + 3X1.5 St     | 5.09        | 41      | 78       | 97       | 19.4   | 180     | 285  | 600    |
| 050826   | 3X6 + 3X6/3E + 3X1.5 St     | 3.39        | 53      | 89       | 111      | 20.9   | 270     | 341  | 620    |
| 050827   | 3X10 + 3X10/3E + 3X2.5 St   | 1.95        | 74      | 100      | 126      | 24.7   | 450     | 514  | 940    |
| 050828   | 3X16 + 3X16/3E + 3X2.5 St   | 1.24        | 99      | 116      | 146      | 29.1   | 720     | 754  | 1310   |
| 050829   | 3X25 + 3X16/3E + 3X2.5 St   | 0.795       | 131     | 128      | 161      | 32.5   | 1125    | 1042 | 1740   |
| 052367   | 3X25 + 3X25/3E + 3X2.5 St   | 0.795       | 131     | 128      | 160      | 31.9   | 1125    | 1176 | 1853   |
| 050830   | 3X35 + 3X16/3E + 3X2.5 St   | 0.565       | 162     | 144      | 180      | 36.7   | 1575    | 1368 | 2240   |
| 050831   | 3X50 + 3X25/3E + 3X2.5 St   | 0.393       | 202     | 173      | 216      | 43     | 2250    | 1896 | 3160   |
| 050832   | 3X70 + 3X35/3E + 3X2.5 St   | 0.277       | 250     | 184      | 231      | 46.8   | 3150    | 2587 | 4210   |
| 050833   | 3X95 + 3X50/3E + 3X2.5 St   | 0.21        | 301     | 217      | 271      | 53.6   | 4275    | 3509 | 5520   |
| 050834   | 3X120 + 3X70/3E + 3X2.5 St  | 0.164       | 352     | 248      | 310      | 57.9   | 5400    | 4440 | 6730   |
| 052542   | 3X150 + 3X70/3E + 3X2.5 St  | 0.132       | 404     | 233      | 350      | 58.3   | 6750    | 5414 | 7250   |
| 051039   | 3X150 + 3X95/3E + 3X2.5 St  | 0.132       | 404     | 256      | 384      | 63.9   | 6750    | 5304 | 8220   |

|     |  |
|-----|--|
| RI  | Conductor resistance                   |
| Ibl | Ampacity in air (30 °C)                |
| Rbv | Bending radius, fixed installation     |
| Rbb | Bending radius, moving application     |
| Ø   | outer diameter approx.                 |
| Fzv | Tensile strength (during installation) |
| Cu  | Copper weight (GER)                    |
| G   | net weight per 1000                    |