

# Rubber insulated cable (N)SSHOEU /3E copper bare



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Rubber cable designed for high mechanical stress for connecting heavy equipment in underground mining, industrial, and construction settings. Suitable for use in dry and moist environments as well as outdoors. The cable is flame-resistant and largely oil-resistant, ideal for applications with specific EMC requirements. Additionally, it can be used in seawater depths of up to 2000 meters.

Current-carrying capacity acc. to VDE 0298-4, Tab. 15

## Construction and technical data:

|  |                                      |
|--|--------------------------------------|
| <b>Standard:</b>                                     | VDE 0250 T. 812 (with ref. to)       |
| <b>Conductor material:</b>                           | copper, bare                         |
| <b>Conductor construction:</b>                       | Class 5 = flexible                   |
| <b>Insulation:</b>                                   | rubber 3GI3                          |
| <b>Arrangement of protective conductors:</b>         | copper wire spinning over each phase |
| <b>Material inner sheath:</b>                        | rubber                               |
| <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>                                | yes                                  |
| <b>Ozone-resistant:</b>                              | yes                                  |
| <b>Water-resistant:</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 - +60 °C                         |
| <b>Bending radius, fixed installation:</b>           | 4 x Ø                                |
| <b>Bending radius, moving application:</b>           | 5 x Ø                                |
| <b>Maximum tensile strength at the conductor:</b>    | 15 N/mm <sup>2</sup>                 |



*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 copper bare

**Nominal voltage U<sub>0</sub>:** 0.6 kV

**Nominal voltage U:** 1 kV

**Maximum permitted operating voltage in** 1.2 kV

**three-phase systems:**

**Test voltage:** 3 kV

**Core identification:** colours acc. to VDE 0293 (HD308)

| part no. | part name                  | RI [Ohm/km] | I <sub>bl</sub> [A] | Ø [mm] | Cu   | G [kg] |
|----------|----------------------------|-------------|---------------------|--------|------|--------|
| 054647   | 3x2.5+3x2.5/3E+3x1.5 St YE | 7.98        | 30                  | 18.9   | 198  | 470    |
| 054498   | 3x6+3x6/3E+3x1,5 St YE     | 3.3         | 53                  | 20.9   | 341  | 620    |
| 054507   | 3x10+3x10/3E+3x2,5 St YE   | 1.91        | 74                  | 24.7   | 514  | 940    |
| 054493   | 3x16+3x16/3E+3x2,5 St YE   | 1.21        | 99                  | 29.1   | 754  | 1310   |
| 054499   | 3x25+3x16/3E+3x2,5 St YE   | 0.78        | 131                 | 32.5   | 1042 | 1740   |
| 054500   | 3x35+3x16/3E+3x2,5 St YE   | 0.554       | 162                 | 36.7   | 1368 | 2240   |
| 054508   | 3x50+3x25/3E+3x2,5 St YE   | 0.386       | 202                 | 43     | 1896 | 3160   |
| 054649   | 3x70+3x35/3E+3x2.5 St YE   | 0.277       | 250                 | 46.8   | 2587 | 4210   |
| 054494   | 3x95+3x50/3E+3x2,5 St YE   | 0.206       | 301                 | 53.6   | 3509 | 5520   |
| 054650   | 3x150+3x70/3E+3x2.5 St YE  | 0.129       | 404                 | 58.3   | 5414 | 7250   |
| 054651   | 3x150+3x95/3E+3x2.5 St YE  | 0.129       | 404                 | 63.9   | 5304 | 8220   |
| 054652   | 3x185+3x95/3E+3x2.5 St YE  | 0.106       | 461                 | 70.6   | 6504 | 9700   |
| 054495   | 3x120+3x70/3E+3x2,5 St YE  | 0.161       | 352                 | 57.9   | 4440 | 6730   |

|                 |                         |
|-----------------|-------------------------|
| RI              | Conductor resistance    |
| I <sub>bl</sub> | Ampacity in air (30 °C) |
| Ø               | outer diameter approx.  |
| Cu              | Copper weight (GER)     |
| G               | net weight per 1000     |