| Applications | These cables are used for the connection of mobile electrical equipment inunderground mines, e.g. for coal-cutting machines,especially for the use in bretby chains with extremebending loads under low tensile stress. |
| :---: | :---: |
| Standards | VDE 0250 Part 813 |
| Construction |  |
| System1 (1.8/3kV or $3.6 / 6 \mathrm{kV}$ ) | Flexible stranded tinned copper conductor with heatresistant3GI3 rubber based on EPR,easy strippable outer conductive layer. |
| System2 (0.6/1kV) | Flexible stranded tinned copper conductor with heatresistant3GI3 rubber based on EPR. |
| Earth Conductor | Spiral of tinnedcopper. |
| Center Bundle | Control and pilot cores withcopper/steel conductors capable of expansion andcompression, EPR insulation,optional with fiber optics, covered with tinned copper wires semi conductive rubber sheath. |
| InnerSheath | 2 layer design, semi conductive rubber + Rubber type 5GM5. |
| Armour | Spiral of steel wires,embedded in the outer sheath, fiberglas tape which preventssheath exchanging. |
| Outer Sheath | Rubber type 5GM5, abrasion and tear resistant, oil resistant and flame retardant. |

Dimensions and Weight
1.8/3kV

| Number of Cores×Nominal Cross Section | Minimium Overall <br> Diameter | Maximum Overall Diameter | Nominal Weight |
| :---: | :---: | :---: | :---: |
| No. $\times \mathrm{mm}^{2}$ | mm | mm | kg/km |
| $3 \times 50+3 \times(35+35 / 3)+2 \times(2 \times 0.75 \mathrm{ST})+2 \times 0.75 \mathrm{UEL}$ | 62.0 | 66.0 | 7210 |
| $3 \times 70+3 \times(50+50 / 3)+2 \times(2 \times 0.75 \mathrm{ST})+2 \times 0.75 \mathrm{UEL}$ | 64.0 | 68.0 | 8200 |
| $3 \times 95+3 \times(70+70 / 3)+2 \times(2 \times 0.75 \mathrm{ST})+2 \times 0.75 \mathrm{UEL}$ | 74.0 | 78.0 | 10300 |
| 3.6/6kV |  |  |  |
| Number of Cores×Nominal Cross Section | Minimium Overall Diameter | Maximum Overall Diameter | Nominal Weight |
| No. $\times \mathrm{mm}^{2}$ | mm | mm | kg/km |
| $3 \times 35+3 \times(35+35 / 3)+2 \times(2 \times 0.75 \mathrm{ST})+2 \times 0.75 \mathrm{UEL}$ | 66.0 | 72.0 | 7600 |


| $3 \times 50+3 \times(50+50 / 3)+2 \times(2 \times 0.75$ ST $)+2 \times 0.75$ UEL | 69.0 | 75.0 | 9200 |
| :--- | :--- | :--- | :--- |
| $3 \times 70+3 \times(70+70 / 3)+2 \times(2 \times 0.75$ ST $)+2 \times 0.75$ UEL | 76.0 | 81.0 | 11150 |
| $3 \times 95+3 \times(95+95 / 3)+2 \times(2 \times 0.75$ ST $)+2 \times 0.75$ UEL | 85.0 | 90.0 | 13300 |

