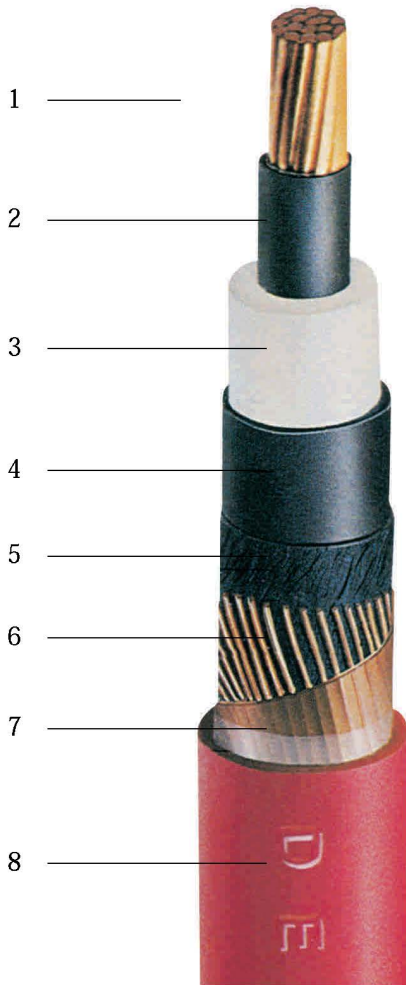


### 3.6/6 kV XLPE INSULATED SINGLE CORE CABLES WITH COPPER CONDUCTOR

According to IEC 60502-2



**Construction:**

- 1-Copper conductor
- 2-Inner semi-conductive layer
- 3-XLPE insulation
- 4-Outer semi-conductive layer
- 5-Semi-conductive tape
- 6-Copper wire screen
- 7-Separation foil
- 8-PVC outer sheath

(VDE Code: 2XSY)

**Application:**

Under heavy duty conditions, under ground, in cable ducts, in power and switching stations, urban networks, industrial plants.

Permissible operating temperature 90°C  
Permissible short circuit temperature 250°C  
(5 s max. duration)

| DIMENSIONS AND WEIGHTS |                          |                    |                          |                    | ELECTRICAL DATA                        |                              |       |                               |                            |     |        |      |
|------------------------|--------------------------|--------------------|--------------------------|--------------------|--|------------------------------|-------|-------------------------------|----------------------------|-----|--------|------|
| Nominal cross-section  | Overall diameter approx. | Net weight approx. | Standard delivery length | Delivery reel size | Conductor dc resistance at 20°C (max.) | Operating inductance approx. |       | Operating capacitance approx. | Current carrying capacity* |     |        |      |
|                        |                          |                    |                          |                    |  |                              |       |                               | in ground approx.          |     | in air |      |
| mm <sup>2</sup>        | mm                       | kg/km              | m                        | cm                 | ohm/km                                 | mH/km                        | mH/km | µF/km                         | A                          | A   | A      | A    |
| 1x 25/16               | 21.0                     | 680                | 1000                     | 141                | 0.727                                  | 0.78                         | 0.44  | 0.25                          | 185                        | 154 | 180    | 167  |
| 1x 35/16               | 22.0                     | 790                | 1000                     | 141                | 0.524                                  | 0.75                         | 0.41  | 0.28                          | 201                        | 191 | 238    | 199  |
| 1x 50/16               | 23.0                     | 910                | 1000                     | 141                | 0.387                                  | 0.72                         | 0.39  | 0.30                          | 241                        | 227 | 285    | 241  |
| 1x 70/16               | 25.0                     | 1160               | 1000                     | 141                | 0.268                                  | 0.69                         | 0.37  | 0.35                          | 301                        | 277 | 356    | 301  |
| 1x 95/16               | 26.0                     | 1410               | 1000                     | 141                | 0.193                                  | 0.66                         | 0.35  | 0.39                          | 364                        | 331 | 435    | 365  |
| 1x120/16               | 28.0                     | 1650               | 1000                     | 161                | 0.153                                  | 0.64                         | 0.34  | 0.43                          | 424                        | 379 | 496    | 419  |
| 1x150/25               | 29.0                     | 2000               | 1000                     | 161                | 0.124                                  | 0.62                         | 0.33  | 0.47                          | 479                        | 422 | 554    | 479  |
| 1x185/25               | 31.0                     | 2370               | 1000                     | 161                | 0.0991                                 | 0.60                         | 0.32  | 0.50                          | 549                        | 476 | 637    | 543  |
| 1x240/25               | 33.0                     | 2920               | 1000                     | 161                | 0.0754                                 | 0.58                         | 0.31  | 0.55                          | 640                        | 550 | 746    | 640  |
| 1x300/25               | 36.0                     | 3550               | 1000                     | 181                | 0.0601                                 | 0.56                         | 0.30  | 0.57                          | 724                        | 619 | 846    | 731  |
| 1x400/35               | 41.0                     | 4570               | 1000                     | 221                | 0.0470                                 | 0.55                         | 0.30  | 0.59                          | 795                        | 695 | 941    | 840  |
| 1x500/35               | 44.0                     | 5640               | 500                      | 161                | 0.0366                                 | 0.53                         | 0.29  | 0.62                          | 883                        | 773 | 1051   | 949  |
| 1x630/35               | 49.0                     | 7080               | 500                      | 201                | 0.0283                                 | 0.50                         | 0.28  | 0.71                          | 981                        | 856 | 1180   | 1076 |

\* Please refer to Explanatory Notes.