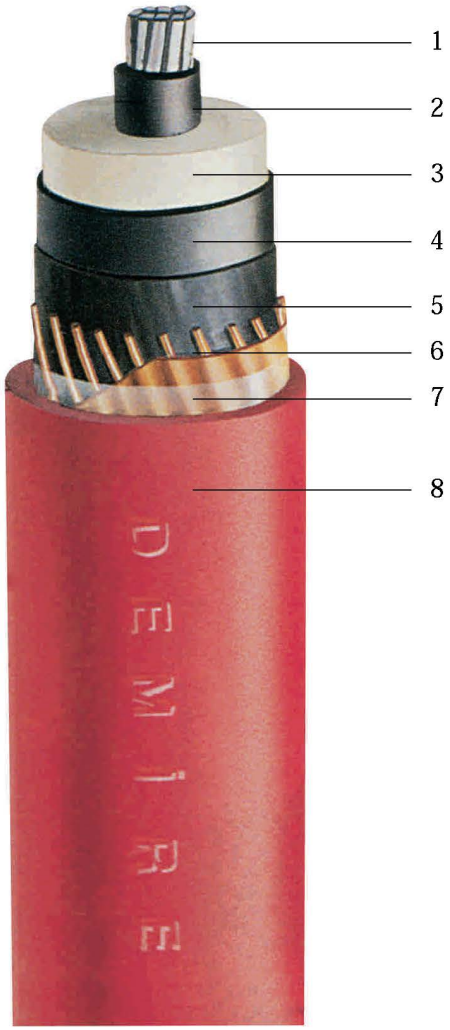
# 18/30 kV XLPE INSULATED SINGLE CORE CABLES WITH ALUMINIUM CONDUCTOR

According to IEC 60502-2

## Construction:

1-Aluminium 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: NA2XSY)




## 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 lenght | Delivery reel size | Conductor dc resistance at 20°C (max.) | Operating inductance approx. | | Operating capacitance approx. | Current carrying capacity* approx. in ground | | in air | |
| | | | | | | ⊙⊙⊙ | 品 | | ⊙⊙⊙ | 品 | ⊙⊙⊙ | 品 |
| $mm^2$ | mm | kg/km | m | cm | ohm/km | mH/km | mH/km | µF/km | A | A | A | A |
| 1x 50/16 | 34.0 | 1120 | 1000 | 161 | 0.641 | 0.74 | 0.47 | 0.13 | 196 | 175 | 217 | 187 |
| 1x 70/16 | 36.0 | 1250 | 1000 | 181 | 0.443 | 0.71 | 0.45 | 0.15 | 238 | 214 | 270 | 232 |
| 1x 95/16 | 38.0 | 1400 | 1000 | 201 | 0.320 | 0.68 | 0.42 | 0.16 | 284 | 256 | 328 | 281 |
| 1x120/16 | 40.0 | 1530 | 1000 | 221 | 0.253 | 0.66 | 0.41 | 0.17 | 322 | 290 | 378 | 323 |
| 1x150/25 | 41.0 | 1770 | 1000 | 221 | 0.206 | 0.64 | 0.40 | 0.19 | 355 | 324 | 425 | 365 |
| 1x185/25 | 43.0 | 1910 | 1000 | 221 | 0.164 | 0.63 | 0.38 | 0.20 | 400 | 366 | 485 | 418 |
| 1x240/25 | 45.0 | 2190 | 1000 | 221 | 0.125 | 0.60 | 0.37 | 0.22 | 461 | 426 | 572 | 494 |
| 1x300/25 | 48.0 | 2470 | 1000 | 221 | 0.100 | 0.58 | 0.35 | 0.24 | 516 | 479 | 649 | 564 |
| 1x400/35 | 52.0 | 2960 | 1000 | 261 | 0.0778 | 0.56 | 0.34 | 0.26 | 572 | 545 | 737 | 654 |
| 1x500/35 | 55.0 | 3400 | 1000 | 261 | 0.0605 | 0.55 | 0.33 | 0.28 | 638 | 614 | 835 | 747 |
| 1x630/35 | 60.0 | 4020 | 1000 | 261 | 0.0469 | 0.52 | 0.32 | 0.32 | 728 | 690 | 950 | 851 |

* Please refer to Explanatory Notes.